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A cross-sectional view of a substrate 102 with a patterned layer 104 on its top surface. The patterned layer 104 consists of a series of vertical lines of varying heights, with the tallest line on the right side.

A diagram of a substrate 110, which is a horizontal rectangle. Inside the rectangle, there are several small circles representing particles 112. A wavy line, representing a conductive layer 114, is shown on the right side of the substrate, extending from the top edge and curving around the right side of the rectangle.

FIG.1 B

1

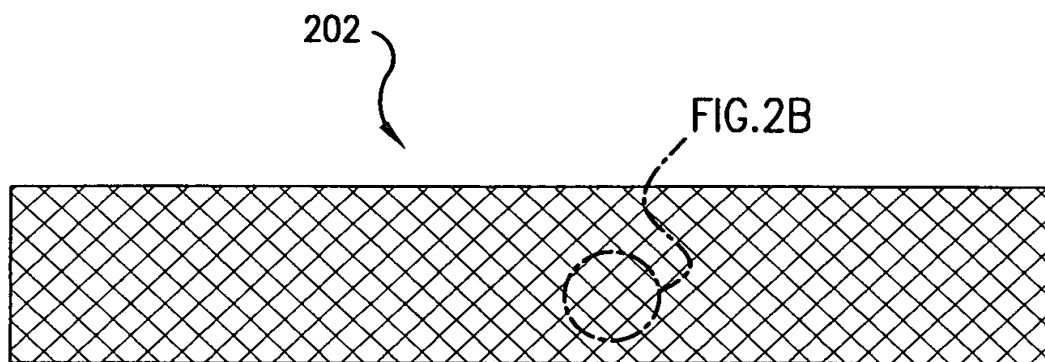


FIG. 2A

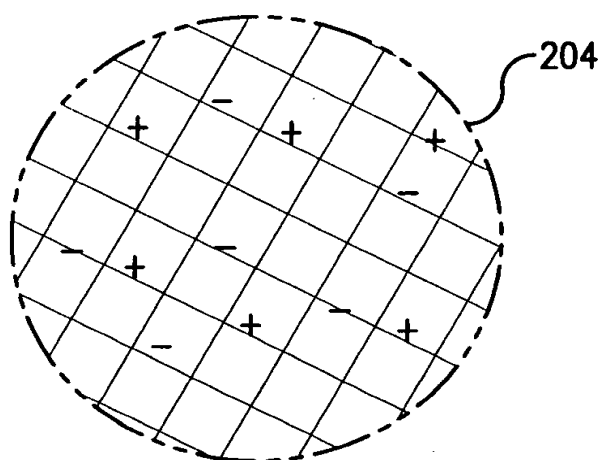


FIG.2B

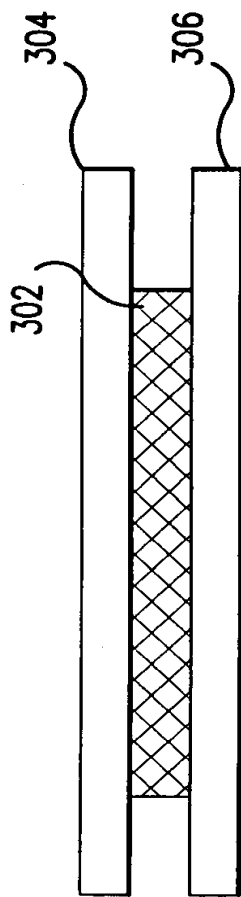


FIG.3

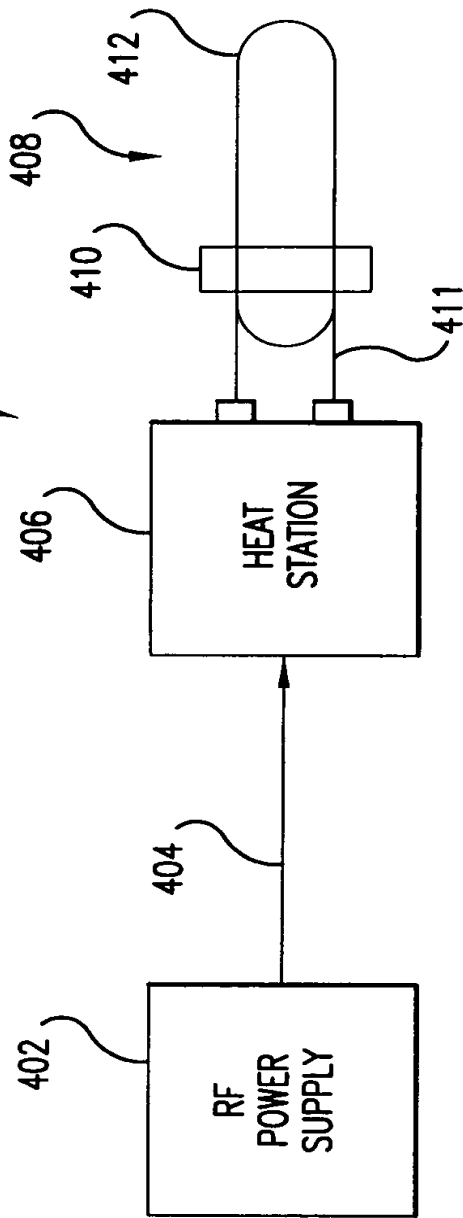


FIG.4

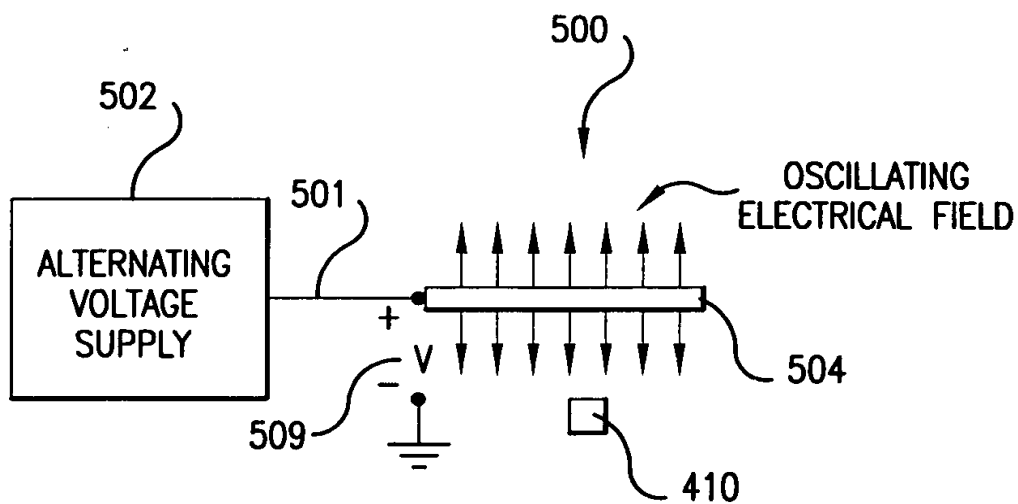


FIG.5

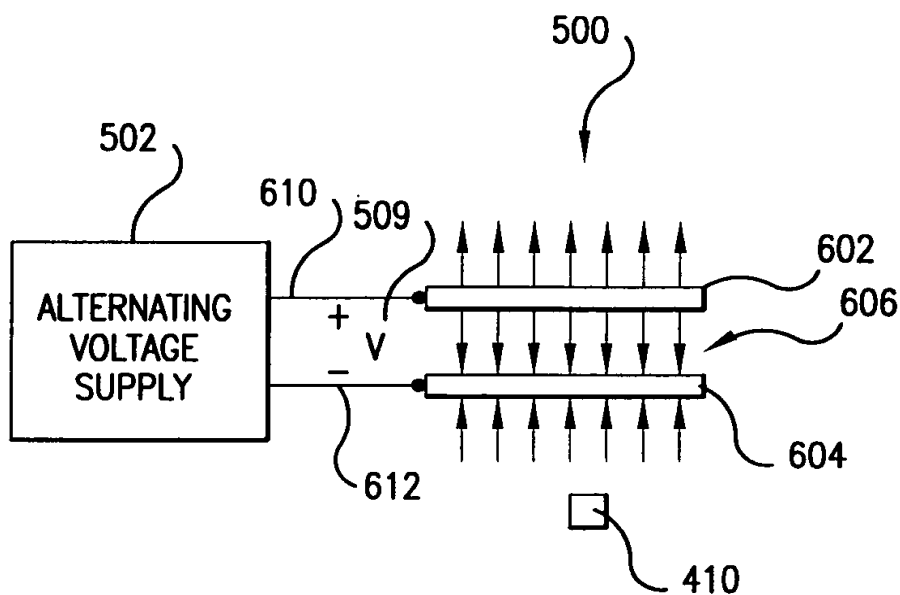
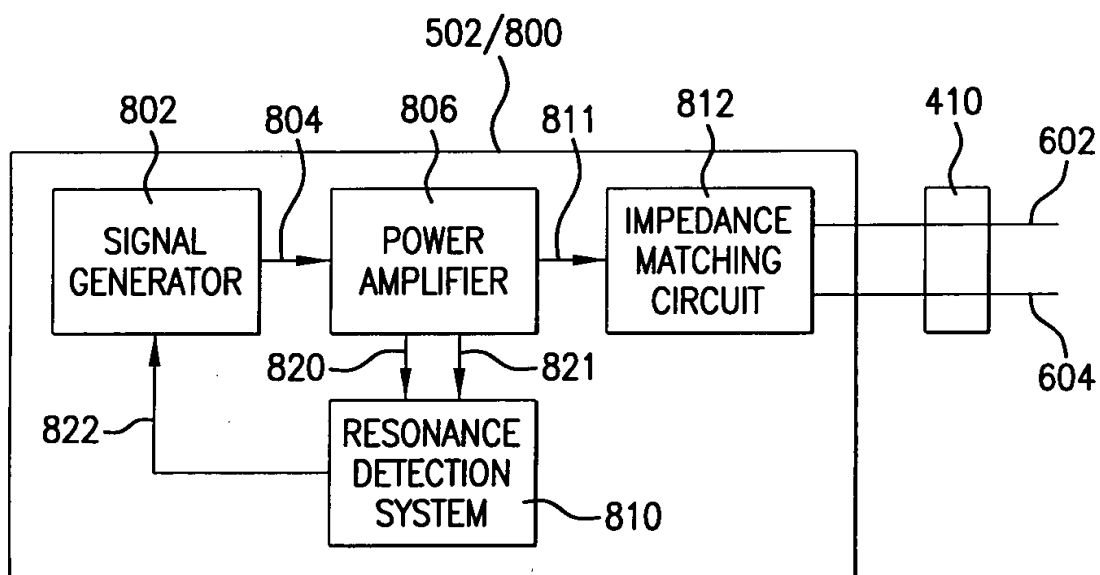


FIG.6



START

902

904

906

908

910

-912

FIG.9

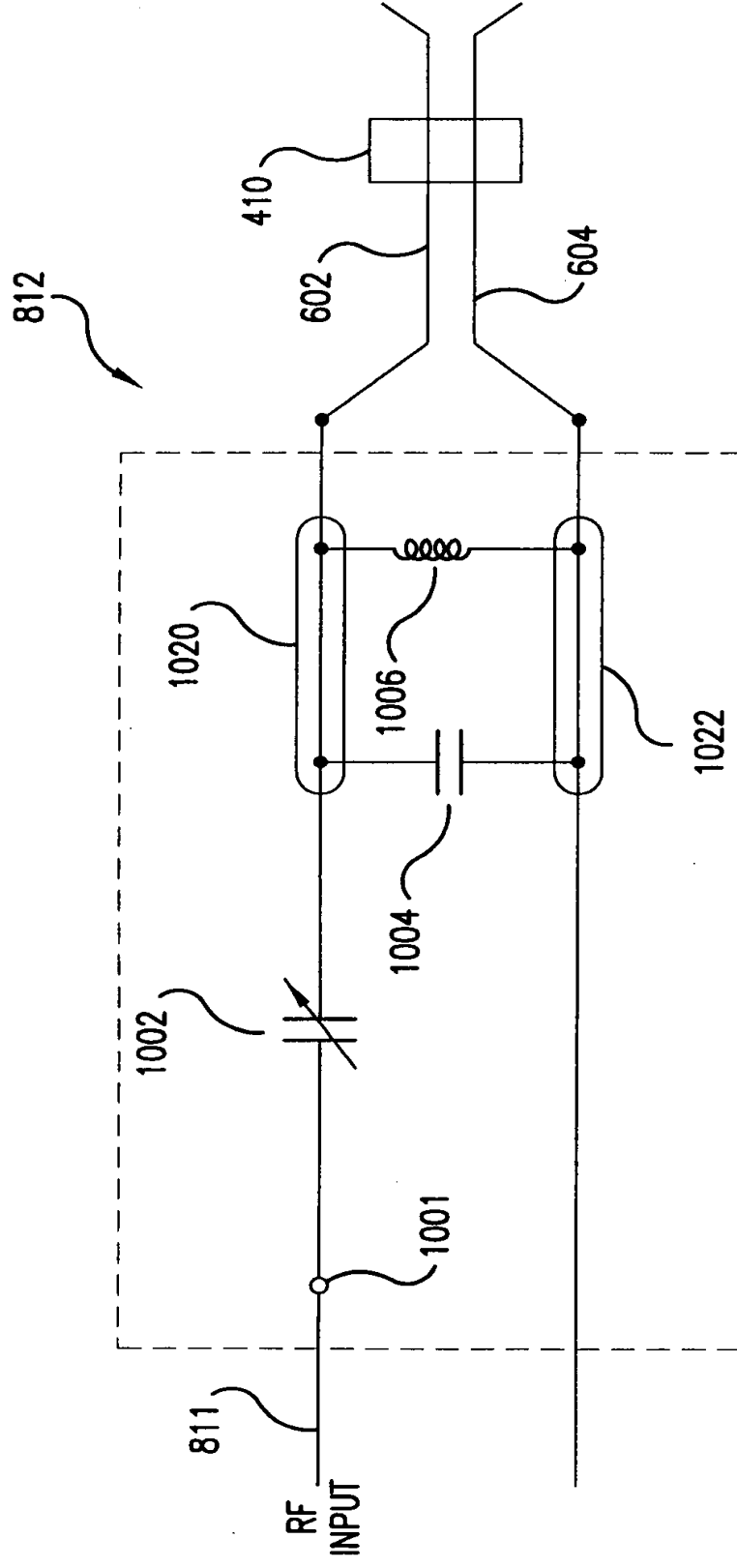


FIG. 10A

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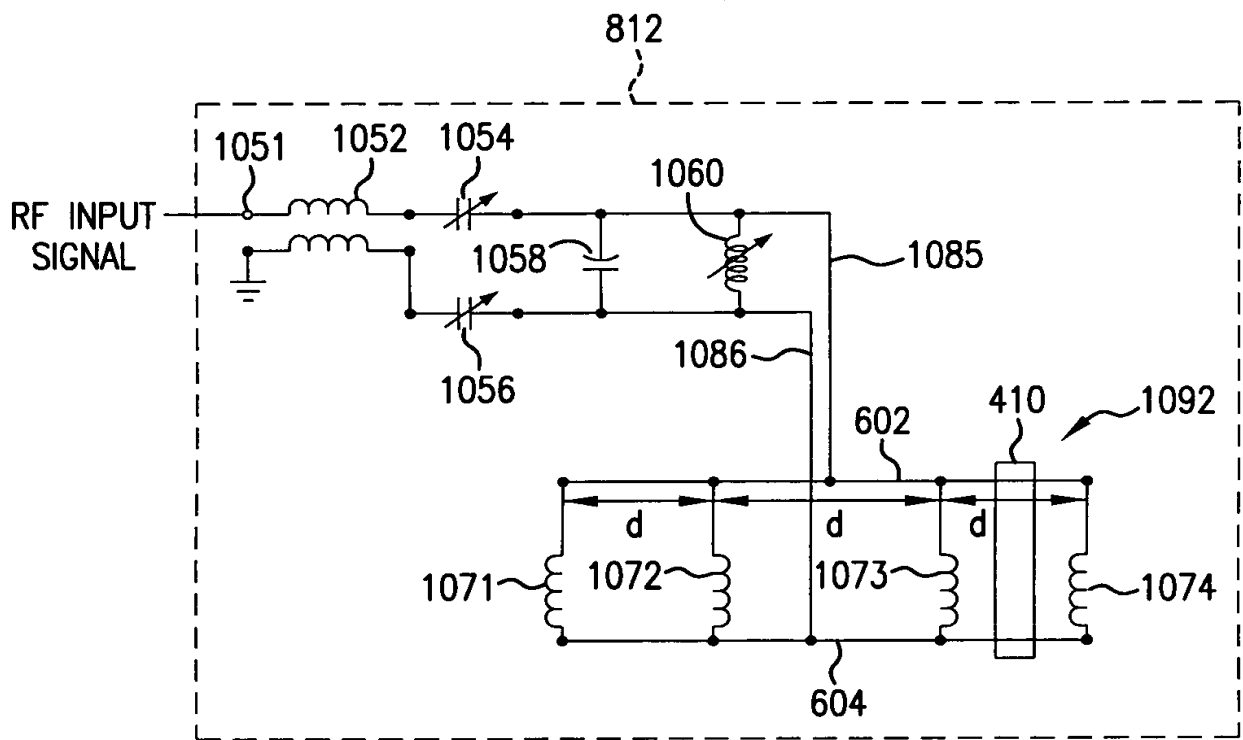


FIG.10E

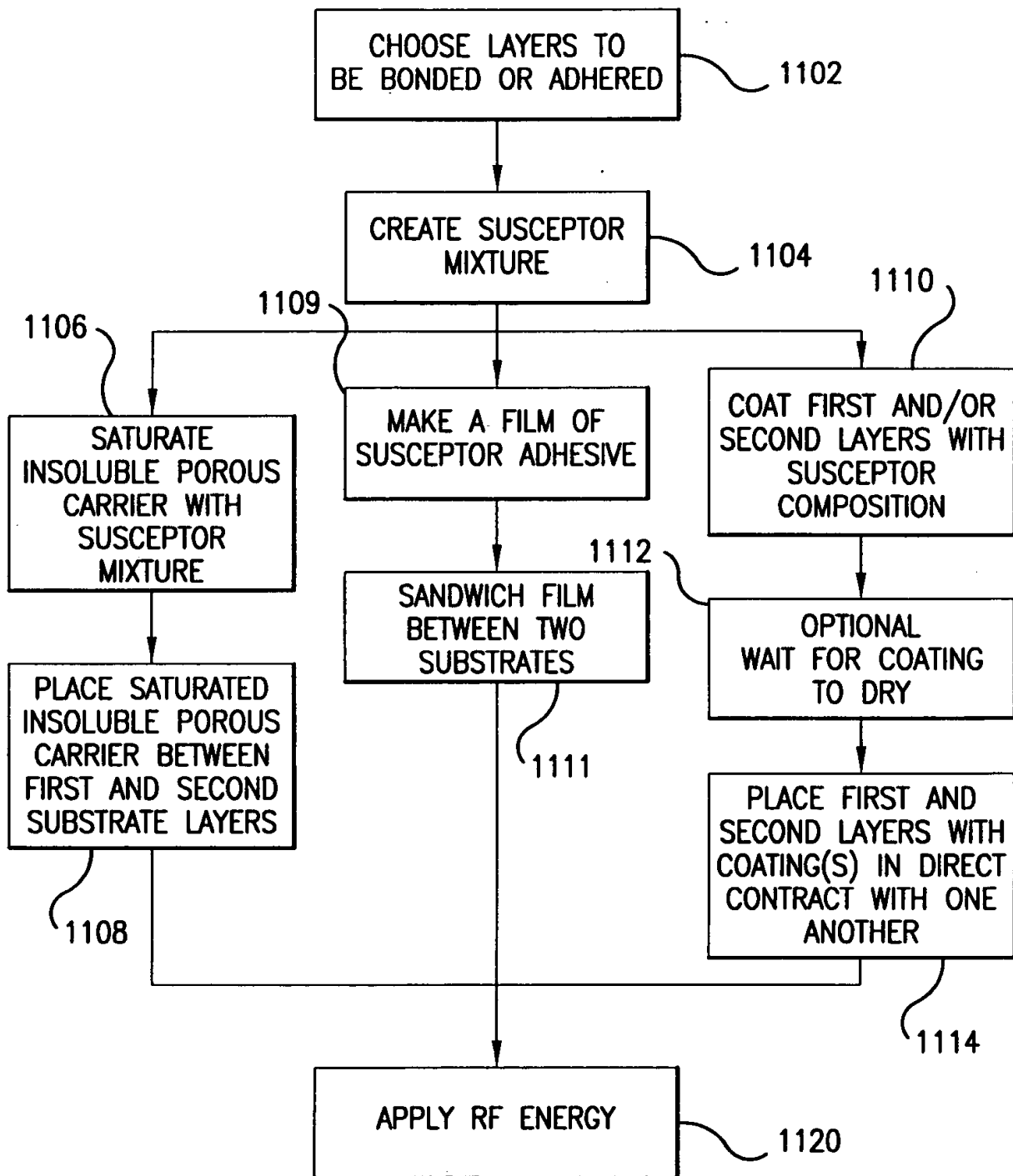


FIG.11

FIG.12

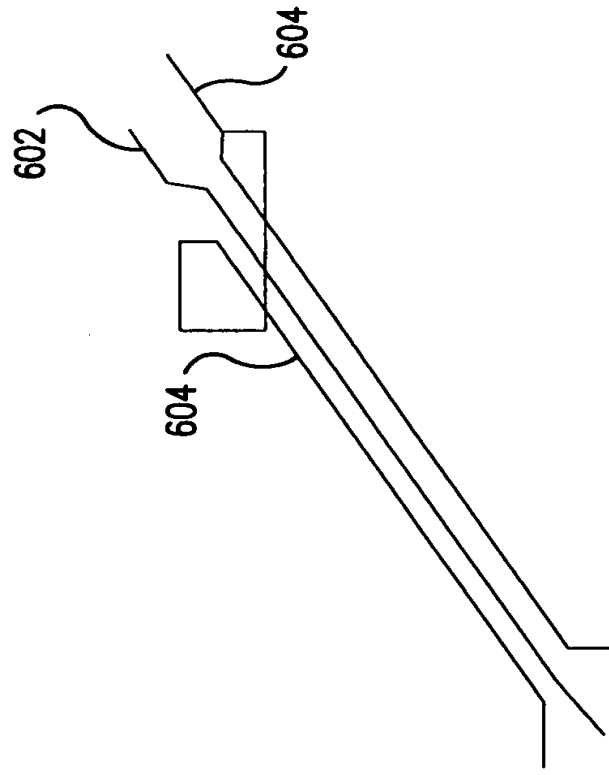


FIG. 13A

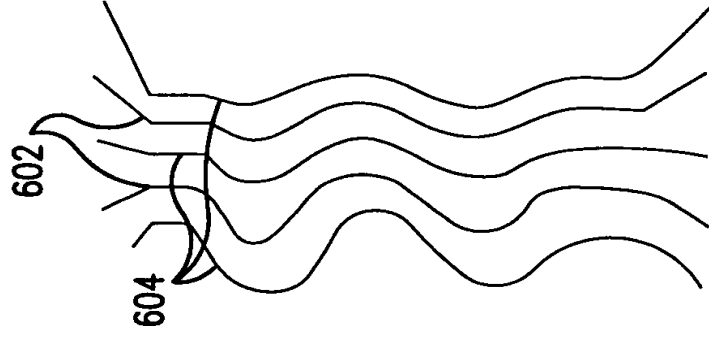


FIG. 13B

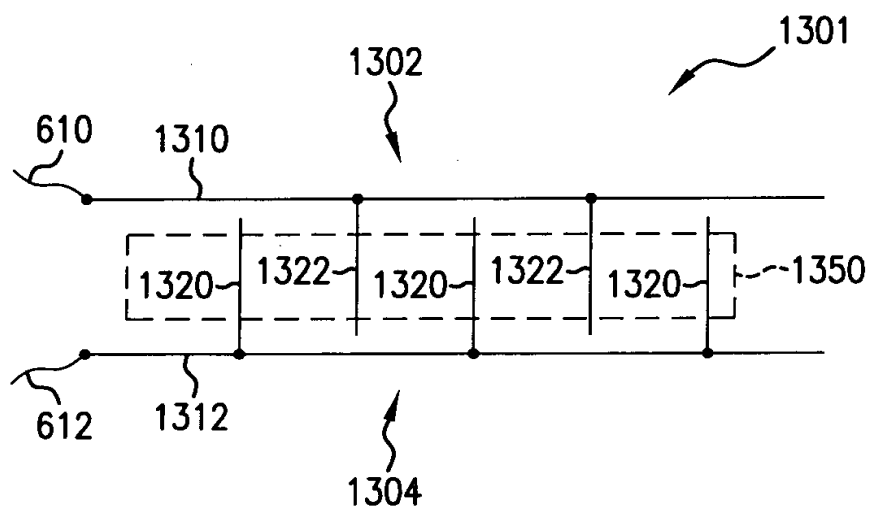


FIG. 13C

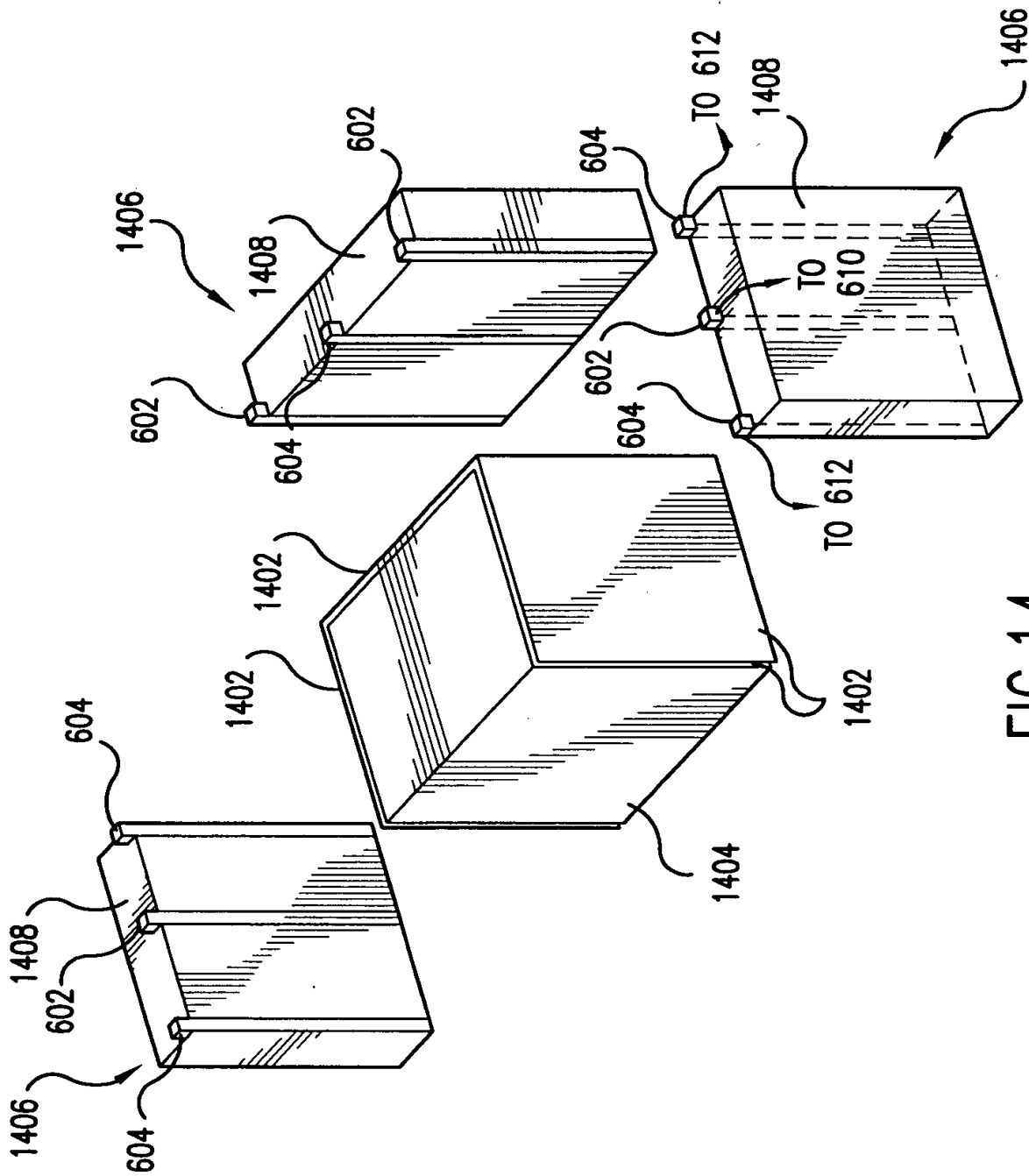


FIG.14

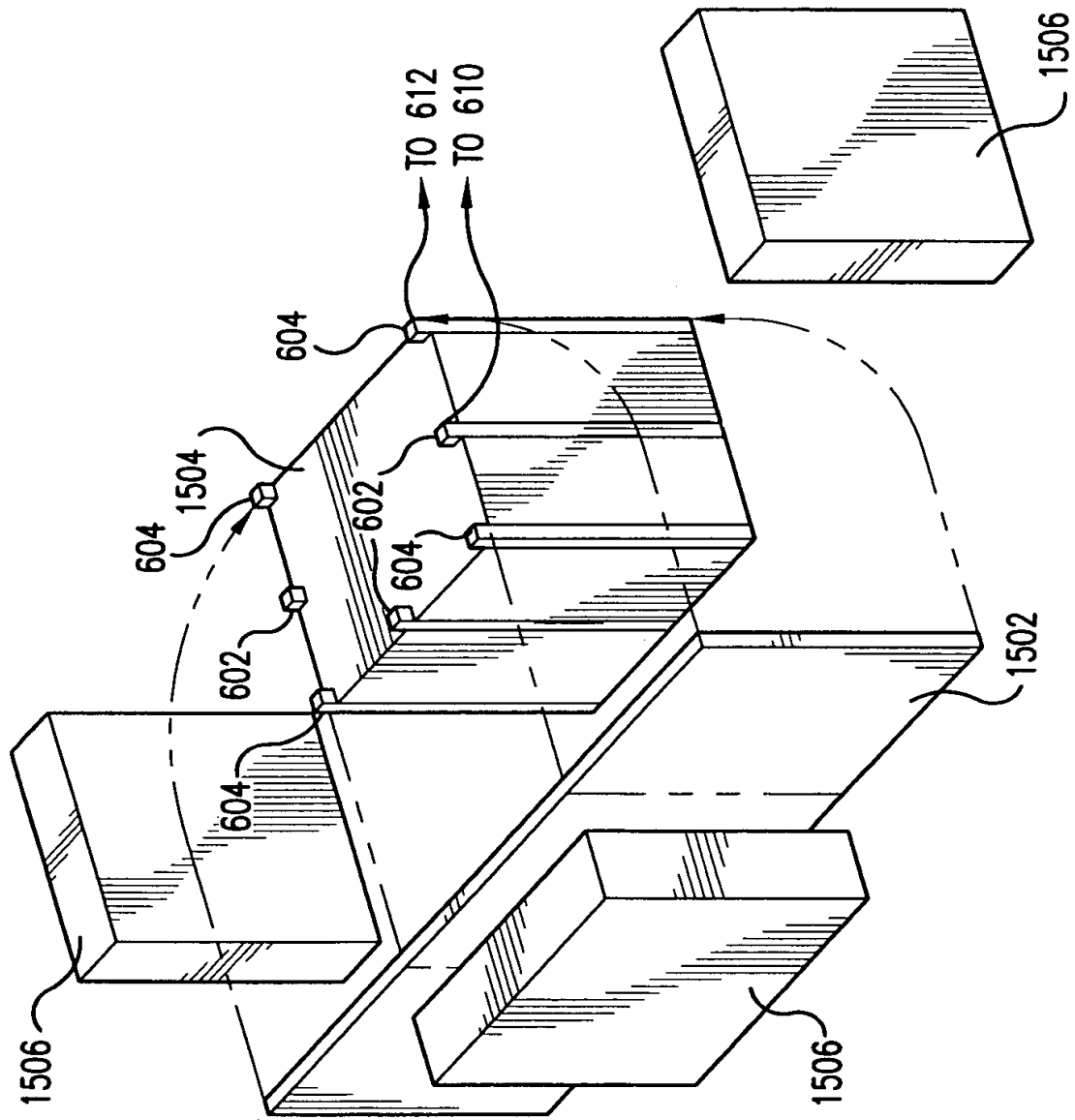


FIG. 15

A cross-sectional view of a semiconductor device 2000. The device is built on a substrate 2010. A base layer 2012 is formed on the substrate. On top of the base layer, there is a stack of layers: a thin layer 2091, a middle layer 2092, and a top layer 2090. A vertical structure 2020 is formed on the top layer 2090. Two rectangular blocks 2006 and 2008 are attached to the bottom surface of the base layer 2012.

FIG.20B

FIG.20C

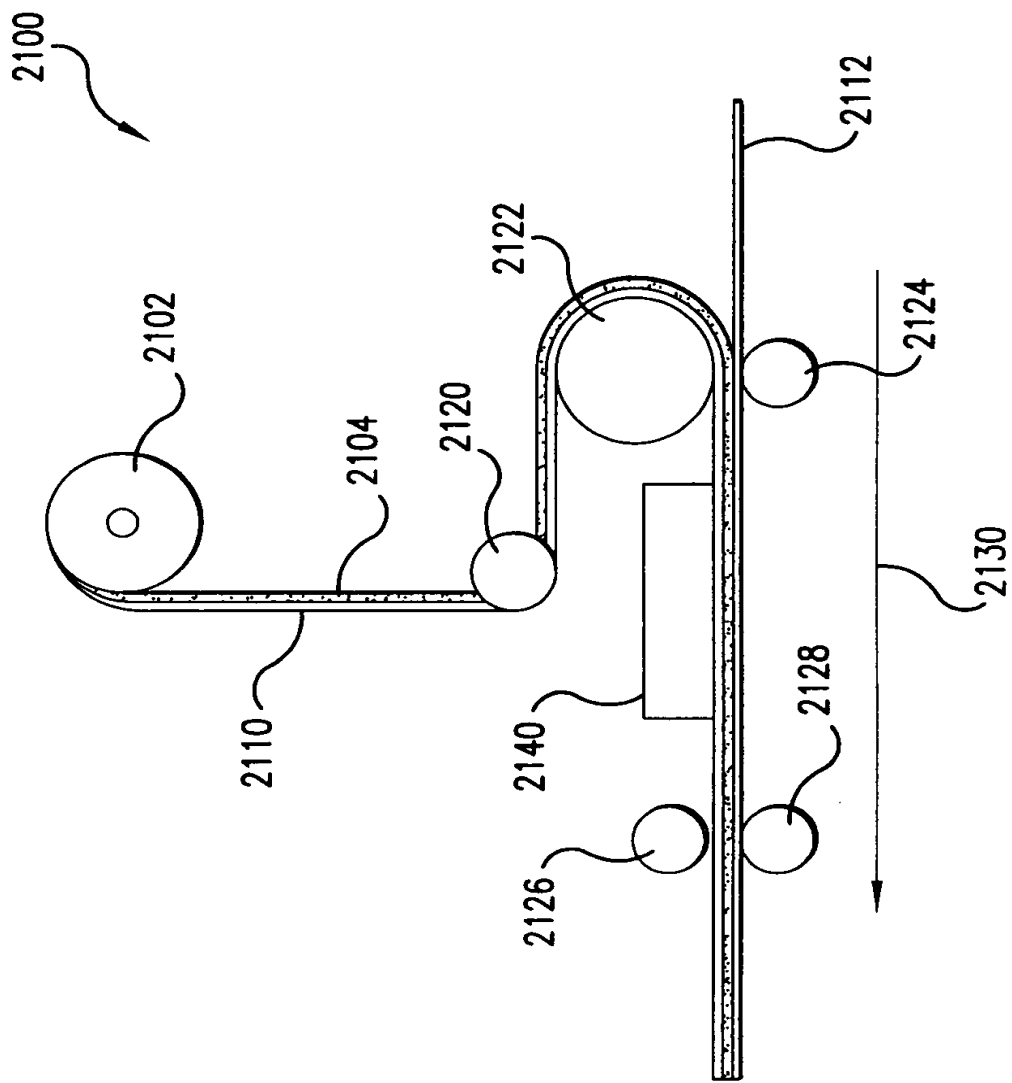


FIG. 21

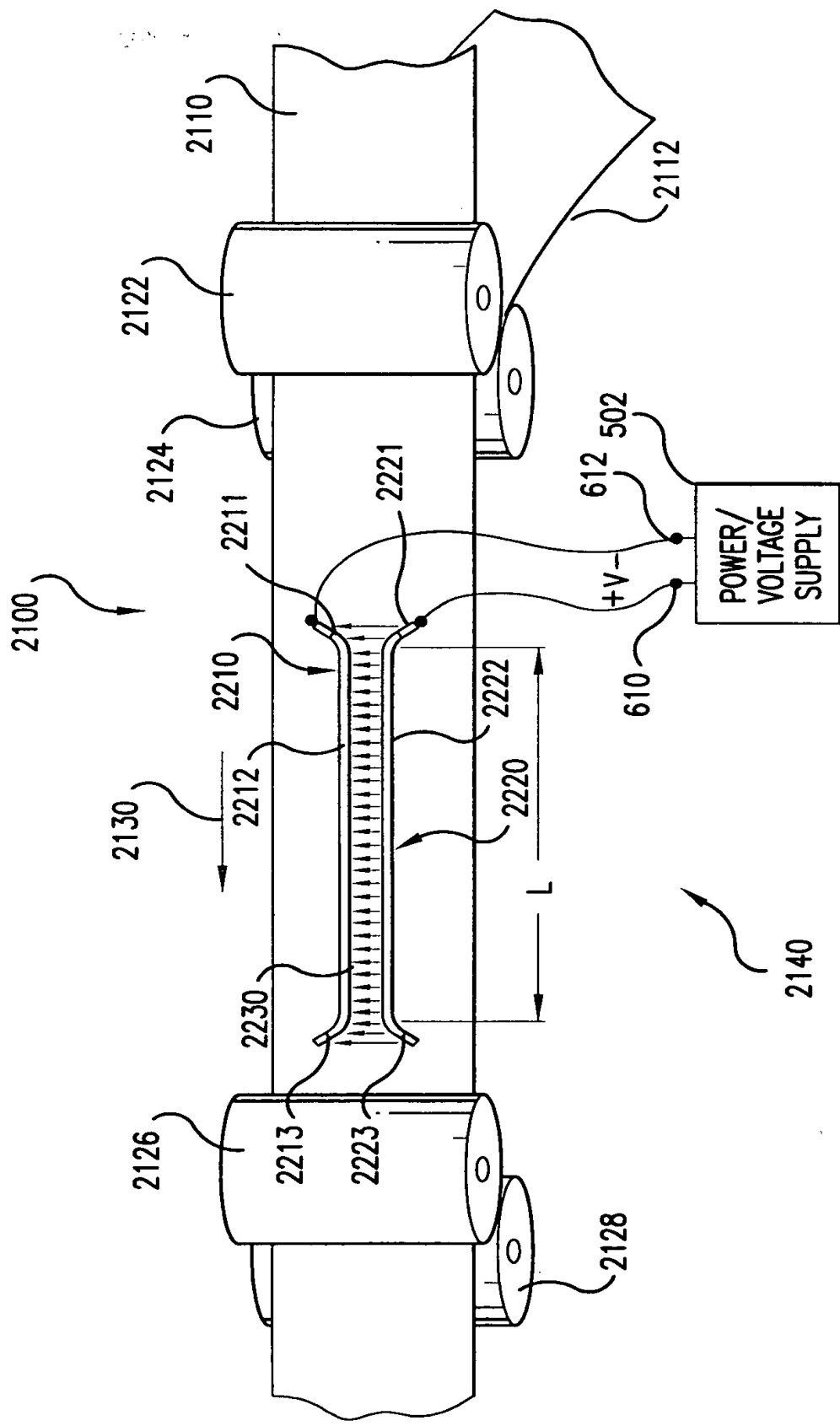


FIG.22

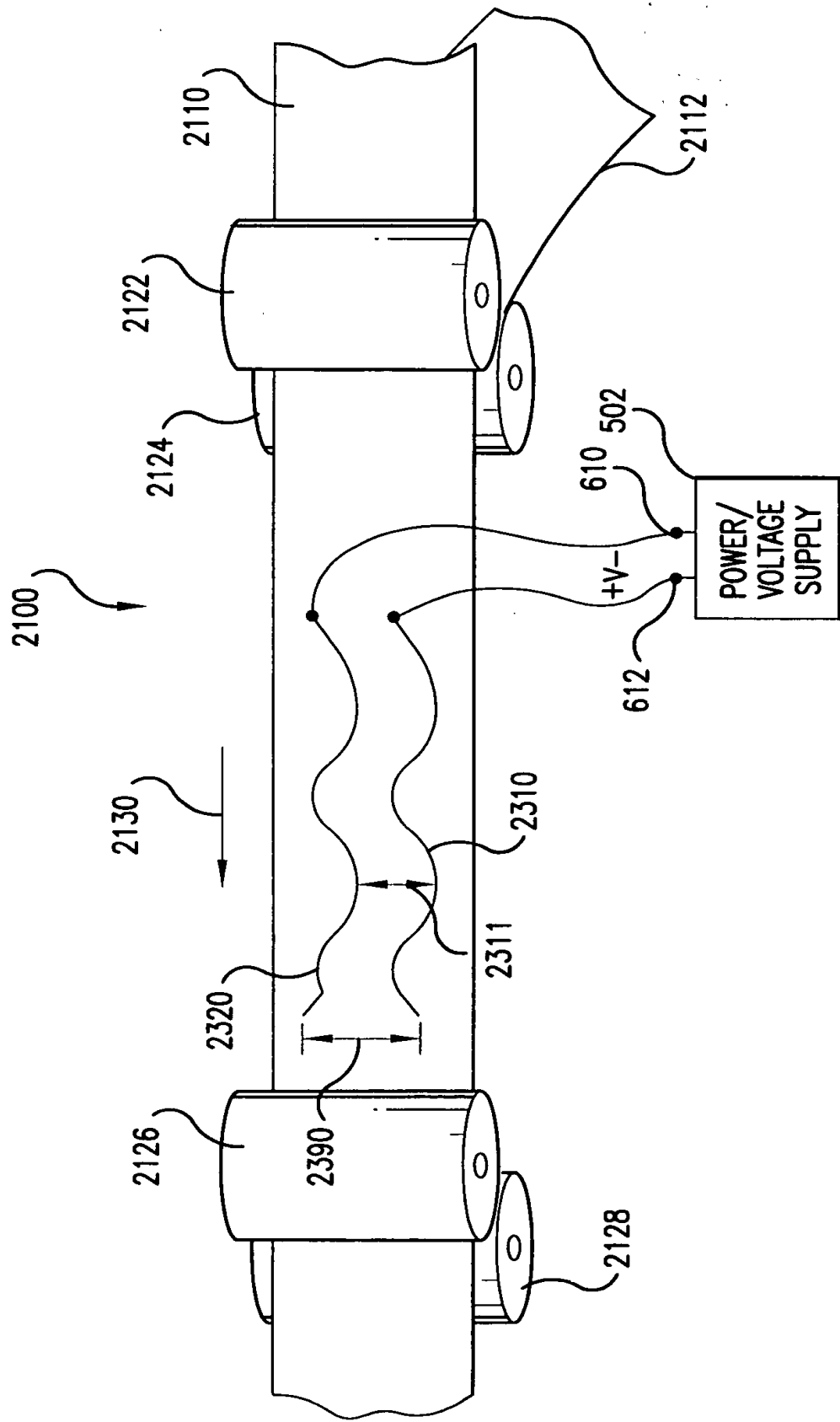


FIG.23

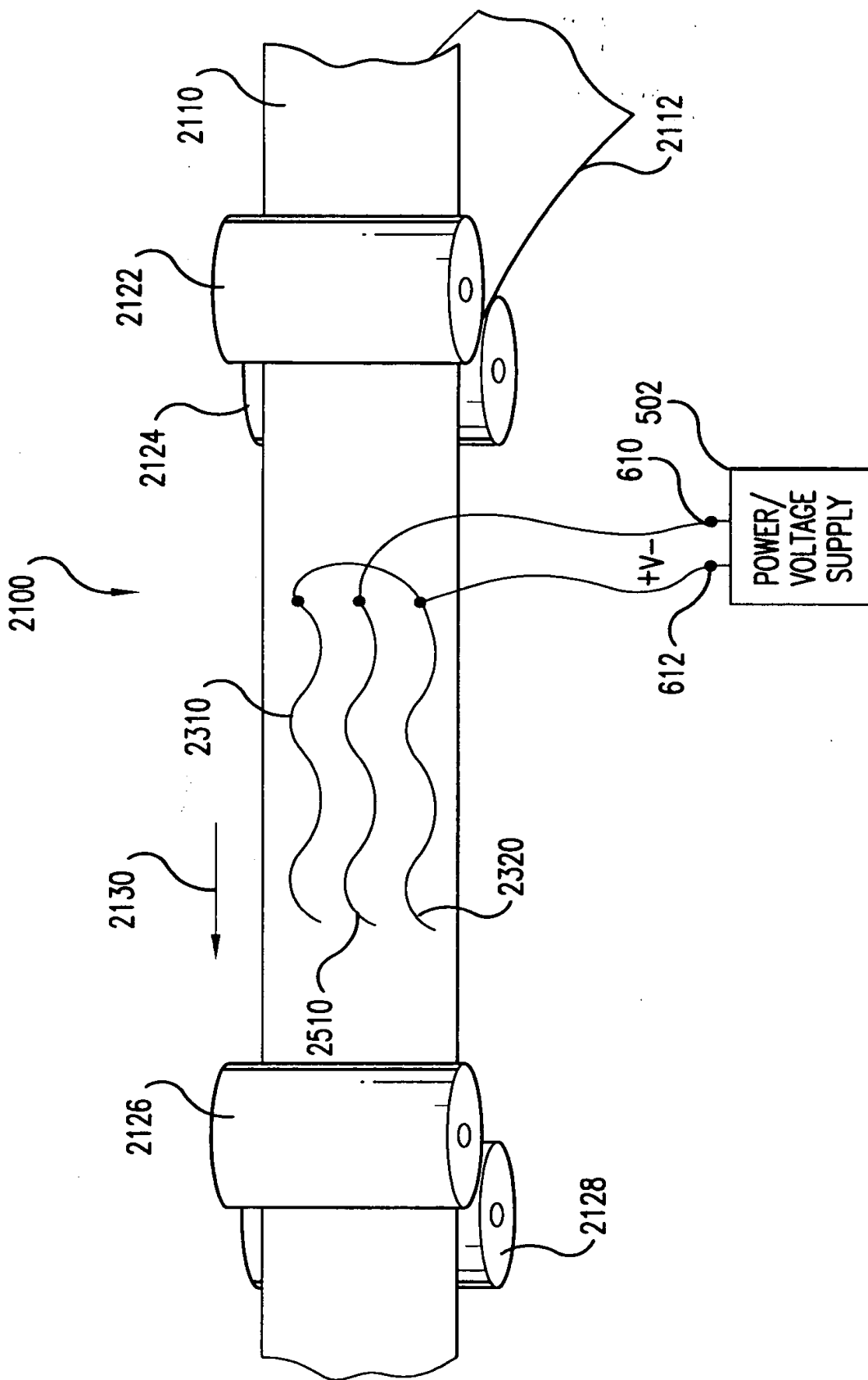


FIG. 25

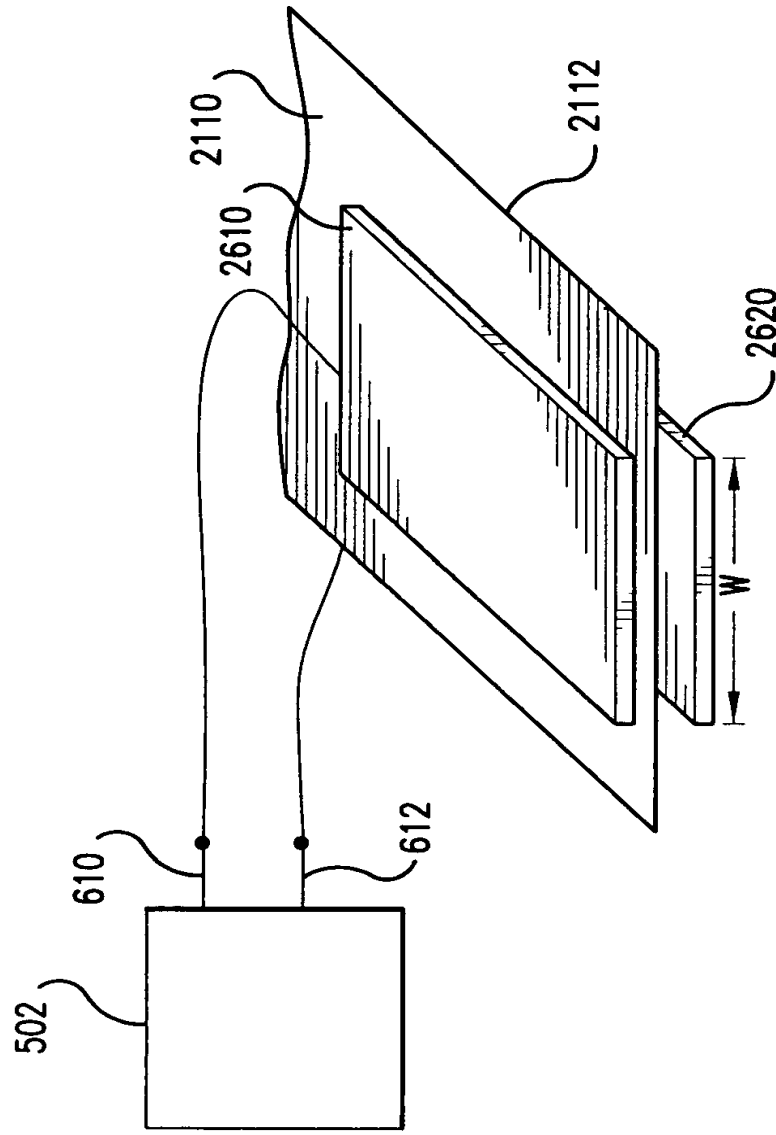


FIG.27

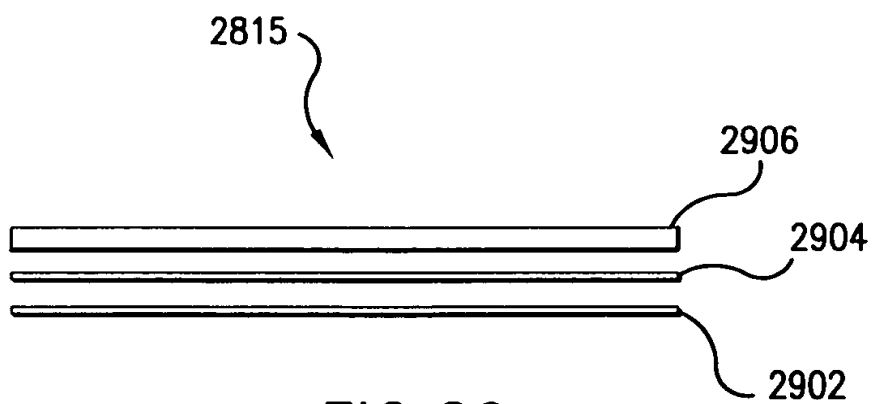
[illegible]

FIG.29

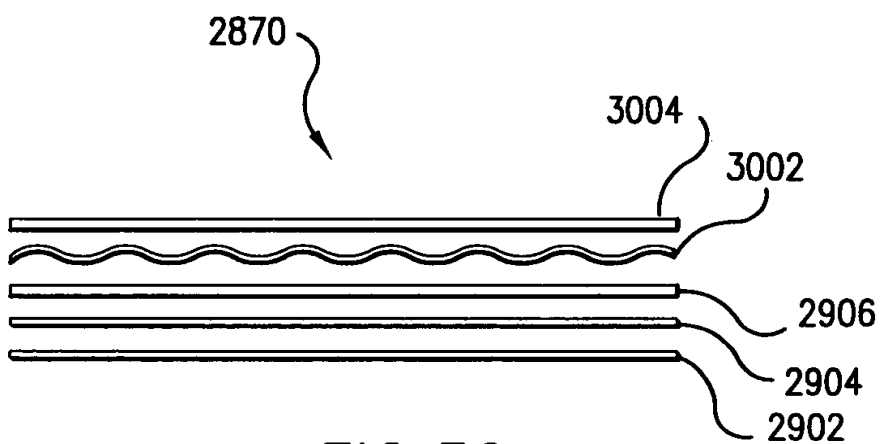


FIG.30

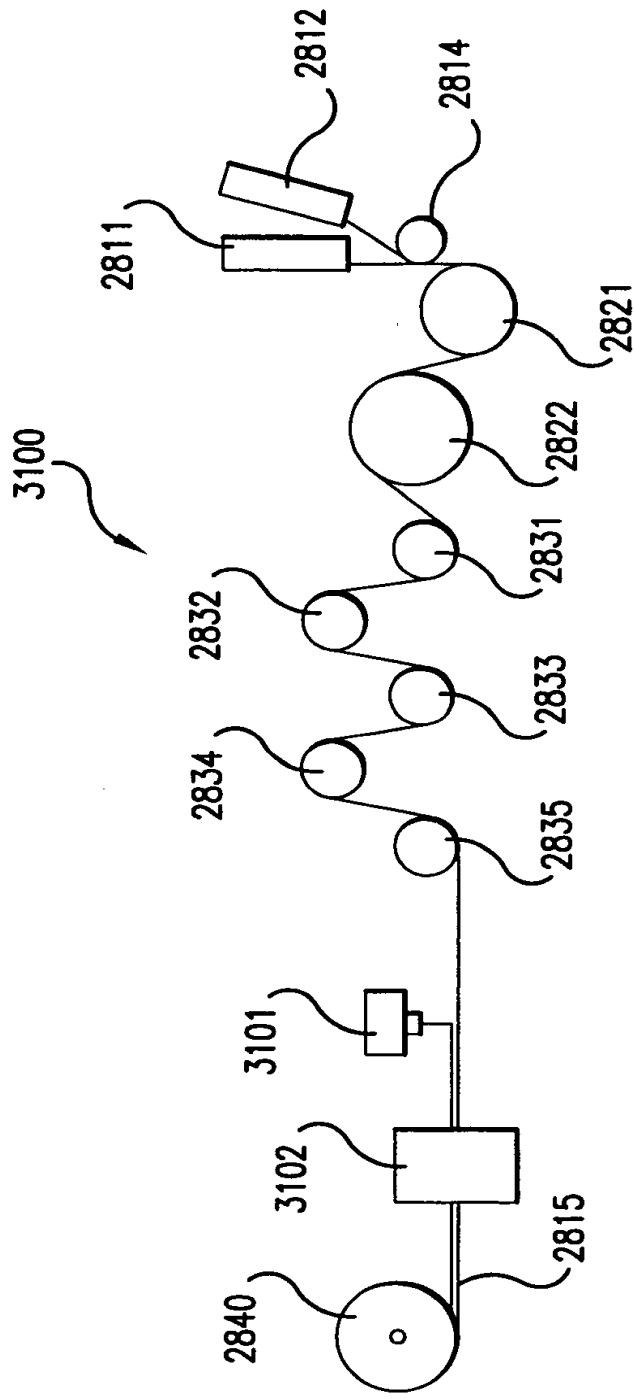


FIG.31

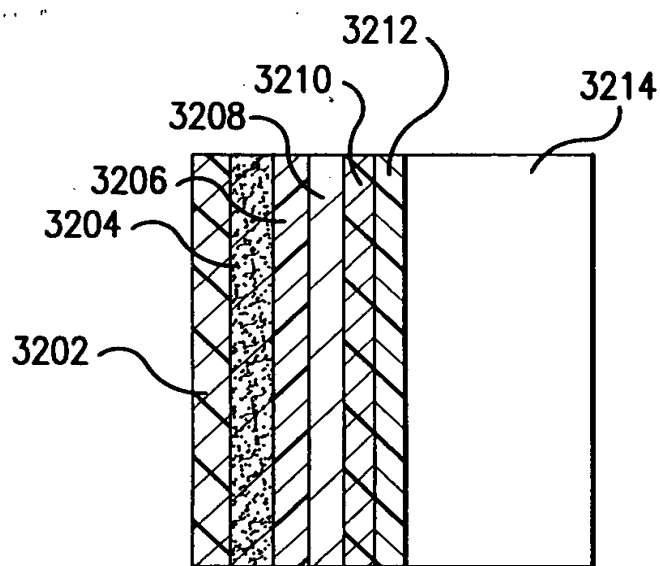


FIG.32

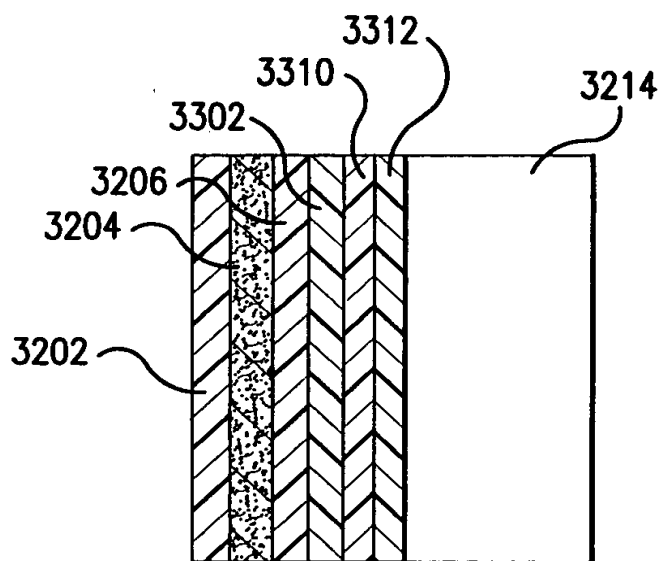


FIG.33

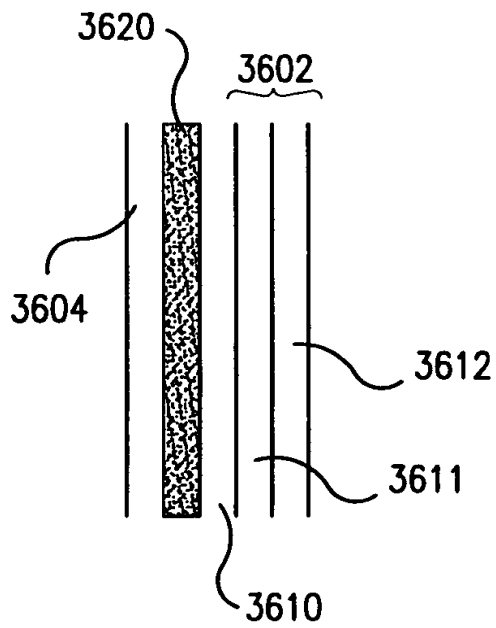


FIG. 36

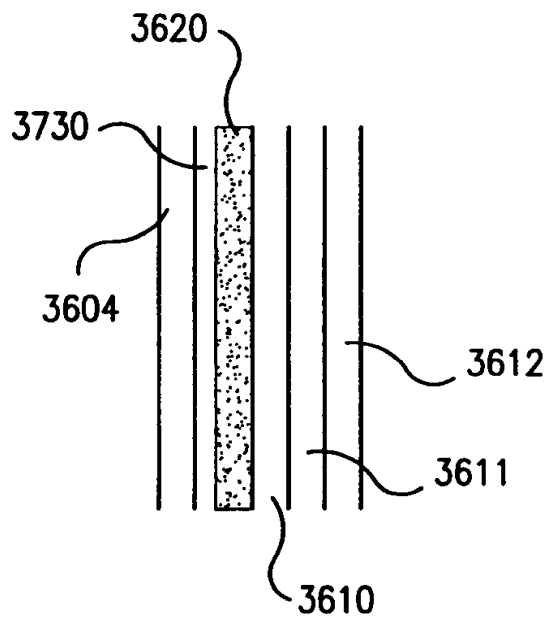


FIG. 37

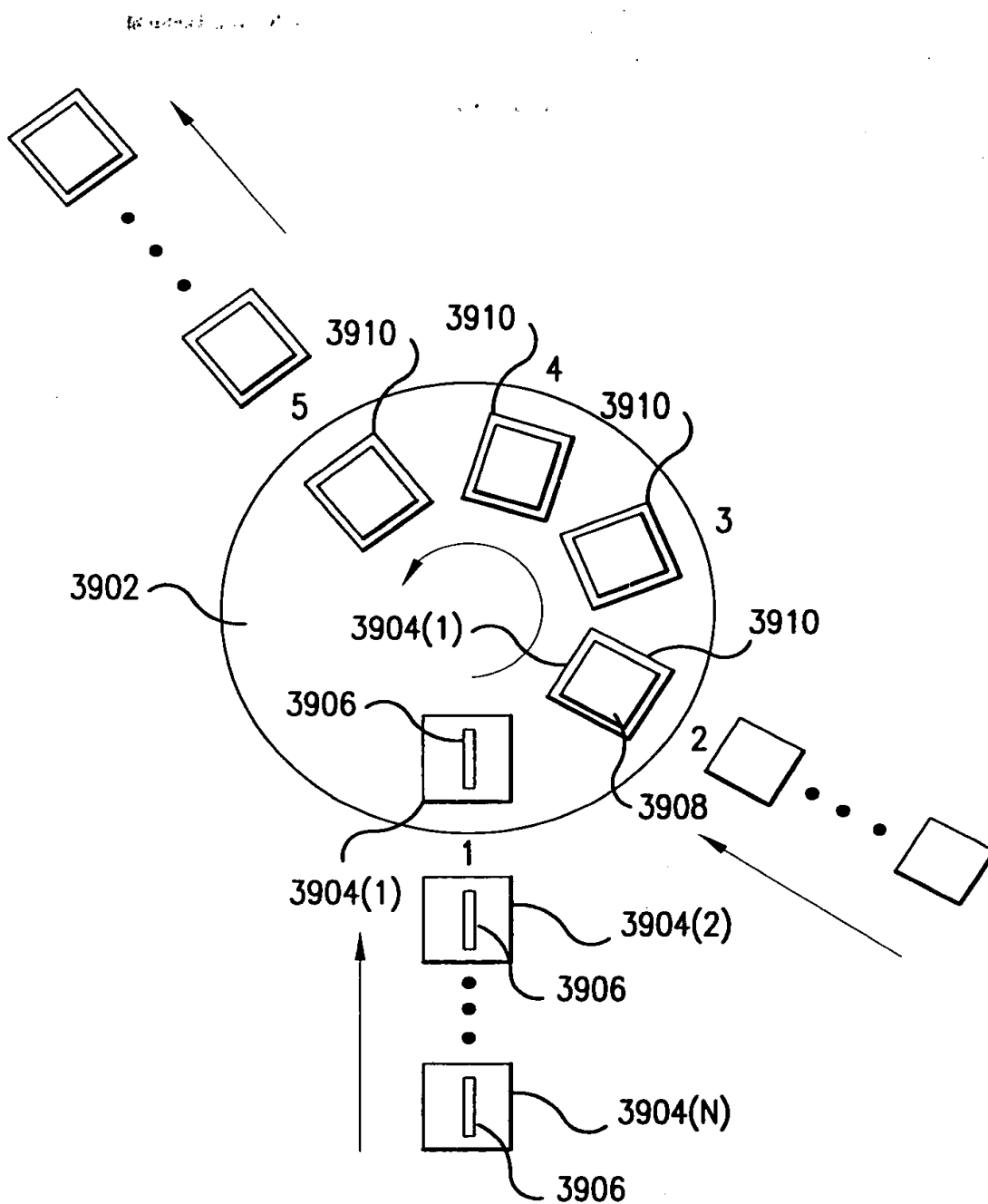


FIG.39

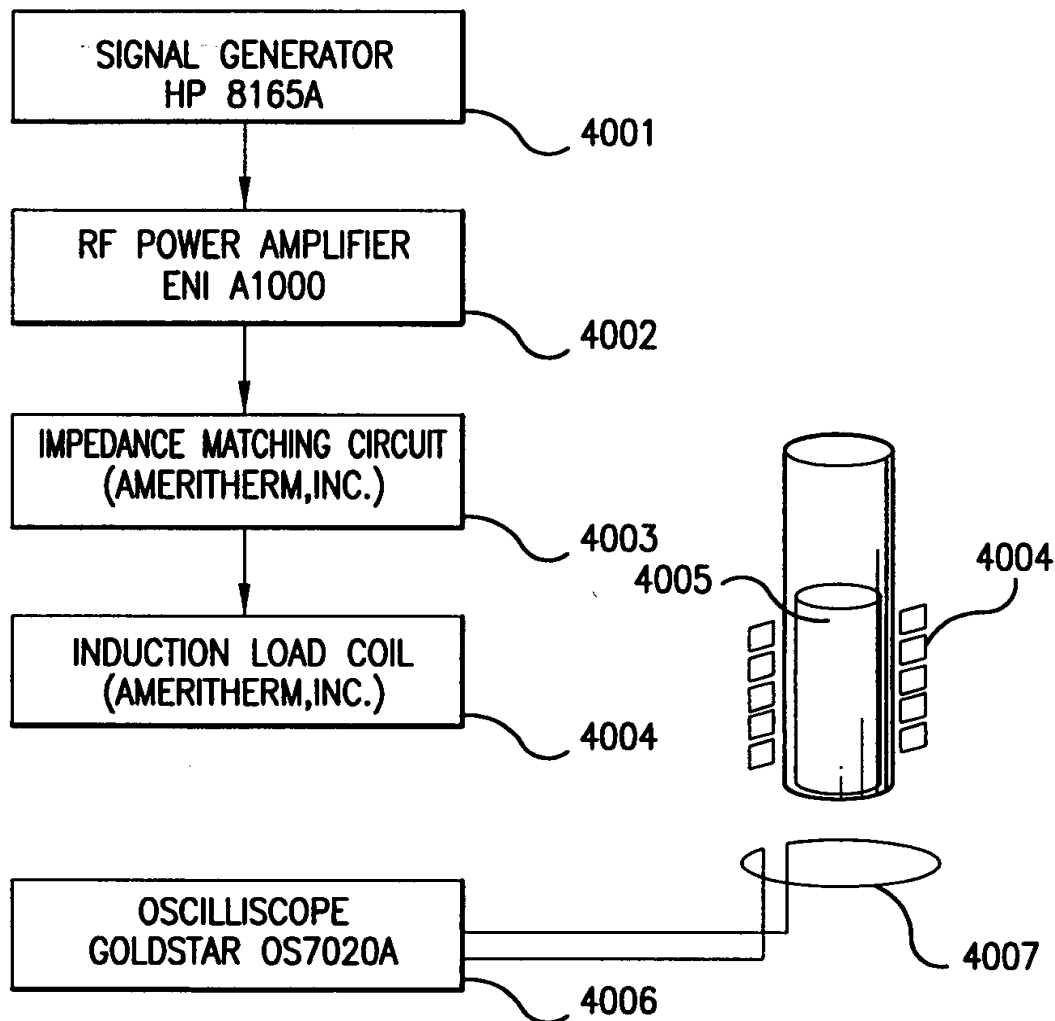


FIG.40

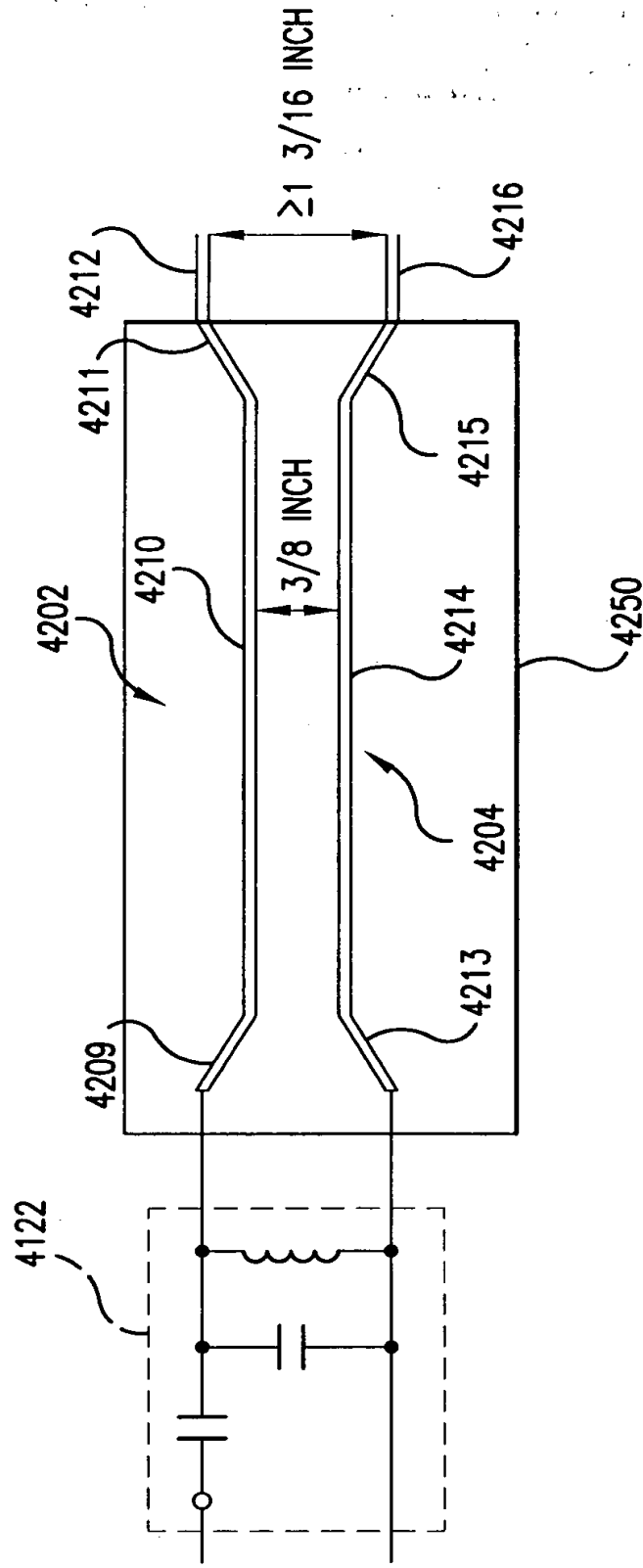


FIG.42

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graph TD; 4302[COAT A PORTION OF ONE SIDE OF A SUBSTRATE WITH A SUSCEPTOR COMPOSITION THAT FUNCTIONS AS AN ADHESIVE] --> 4304[ROLL THE SUBSTRATE OR CUT AND STACK THE SUBSTRATE FOR LATER USE]; 4304 --> 4306[FEED A COATED SUBSTRATE INTO A PRINTING MEANS FOR PRINTING INK ONTO THE SUBSTRATE]; 4306 --> 4308[STACK THE COATED SUBSTRATES AFTER PRINTING THEREON]; 4308 --> 4310[APPLY RF ENERGY TO THE STACK]; 4310 --> 4312[NIP THE STACK TO ASSURE A GOOD BOND];
```

4300

4302 COAT A PORTION OF ONE SIDE OF A SUBSTRATE WITH A SUSCEPTOR COMPOSITION THAT FUNCTIONS AS AN ADHESIVE

4304 ROLL THE SUBSTRATE OR CUT AND STACK THE SUBSTRATE FOR LATER USE

4306 FEED A COATED SUBSTRATE INTO A PRINTING MEANS FOR PRINTING INK ONTO THE SUBSTRATE

4308 STACK THE COATED SUBSTRATES AFTER PRINTING THEREON

4310 APPLY RF ENERGY TO THE STACK

4312 NIP THE STACK TO ASSURE A GOOD BOND

FIG. 43

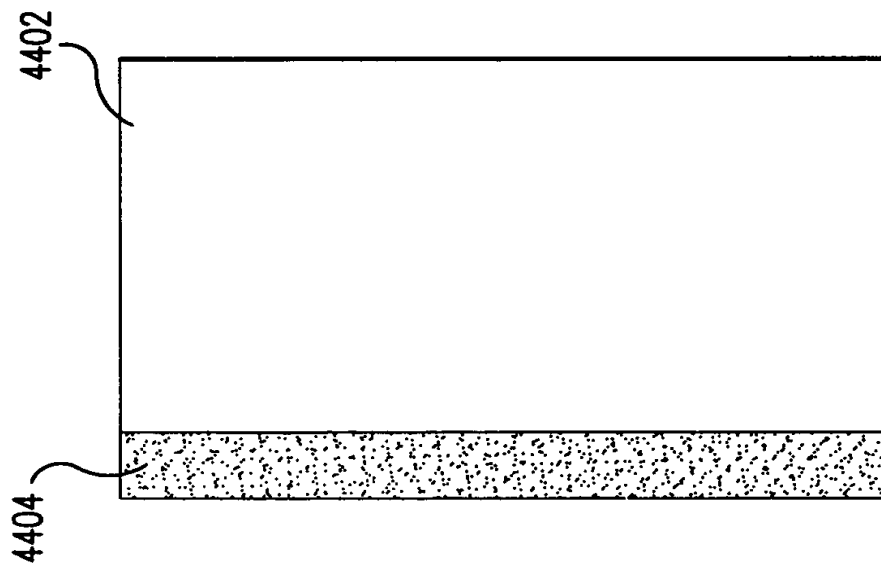


FIG. 44

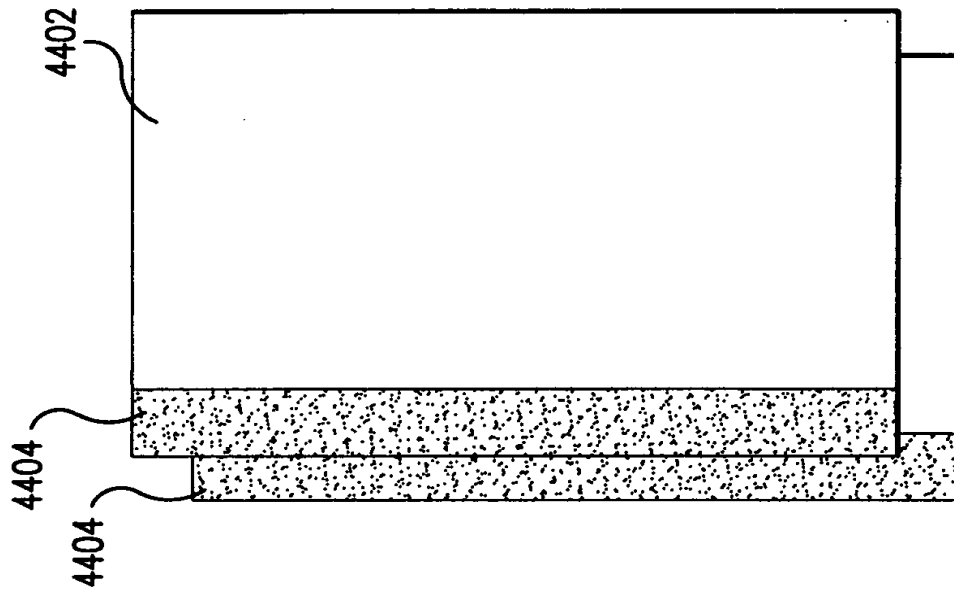


FIG. 45

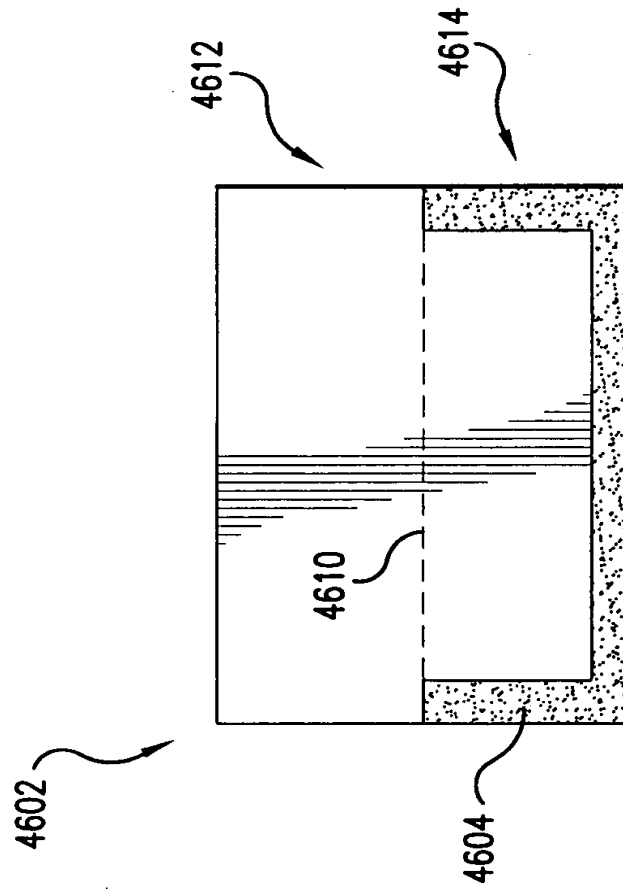


FIG. 46

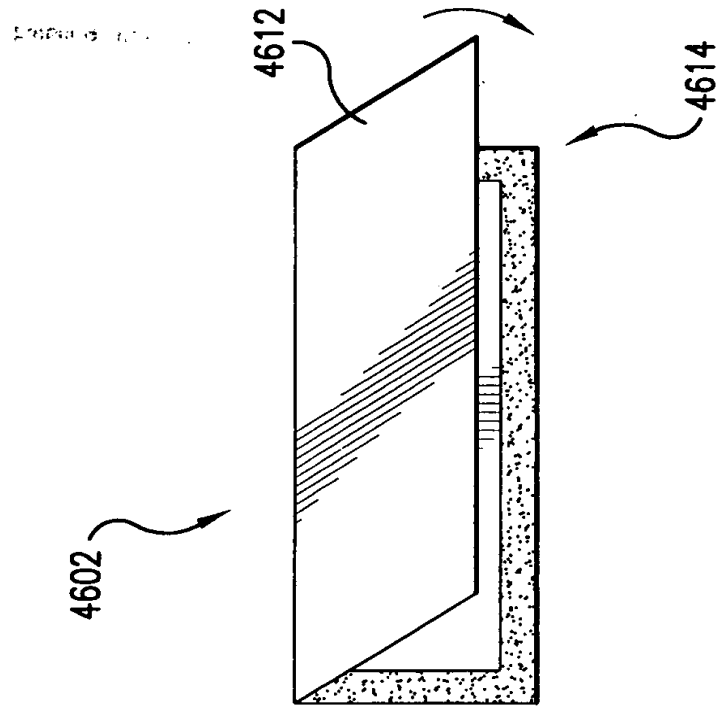


FIG. 47

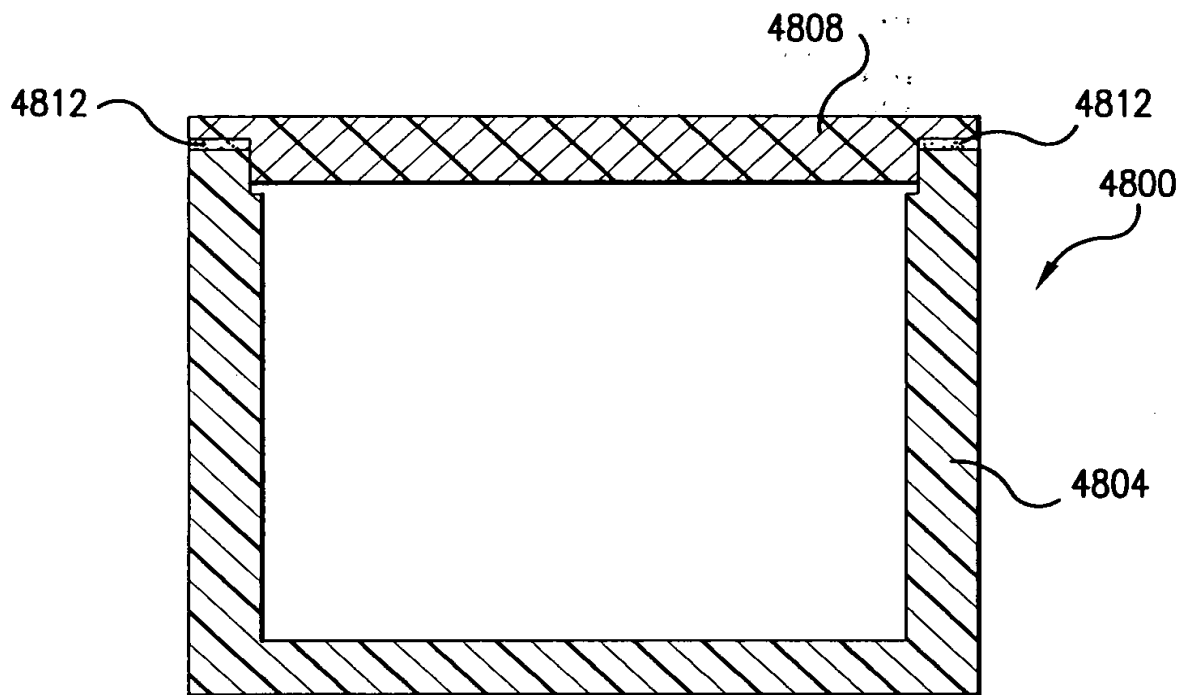
[illegible]

FIG.48

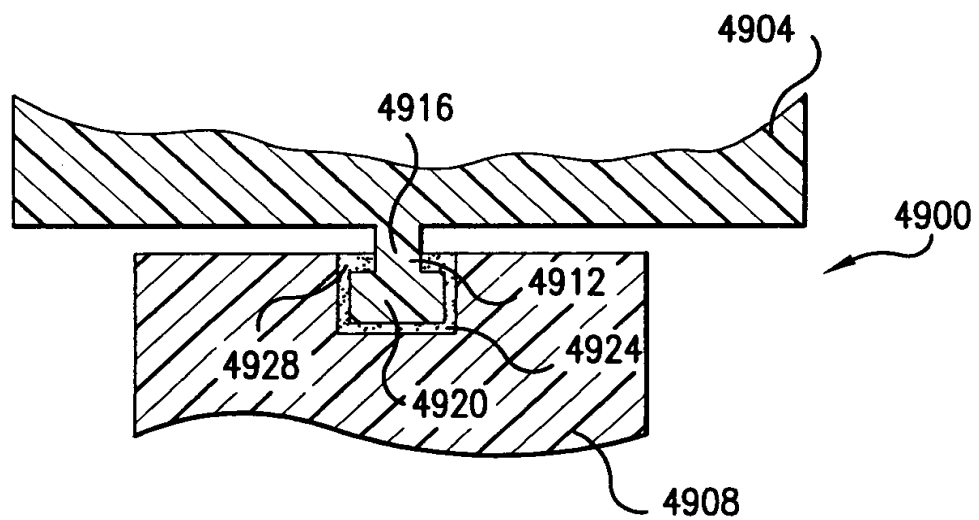


FIG.49

| Year | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Year | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |

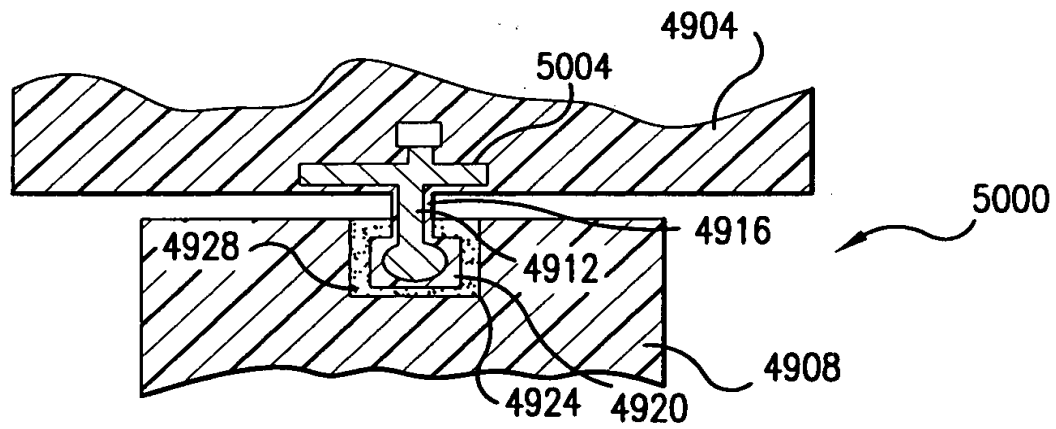


FIG.50

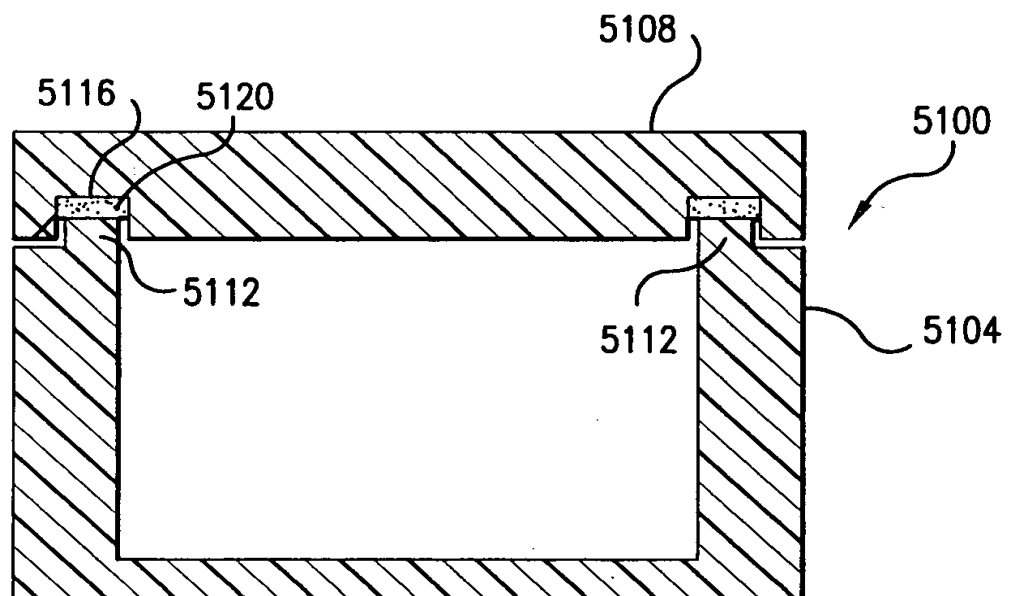


FIG.51

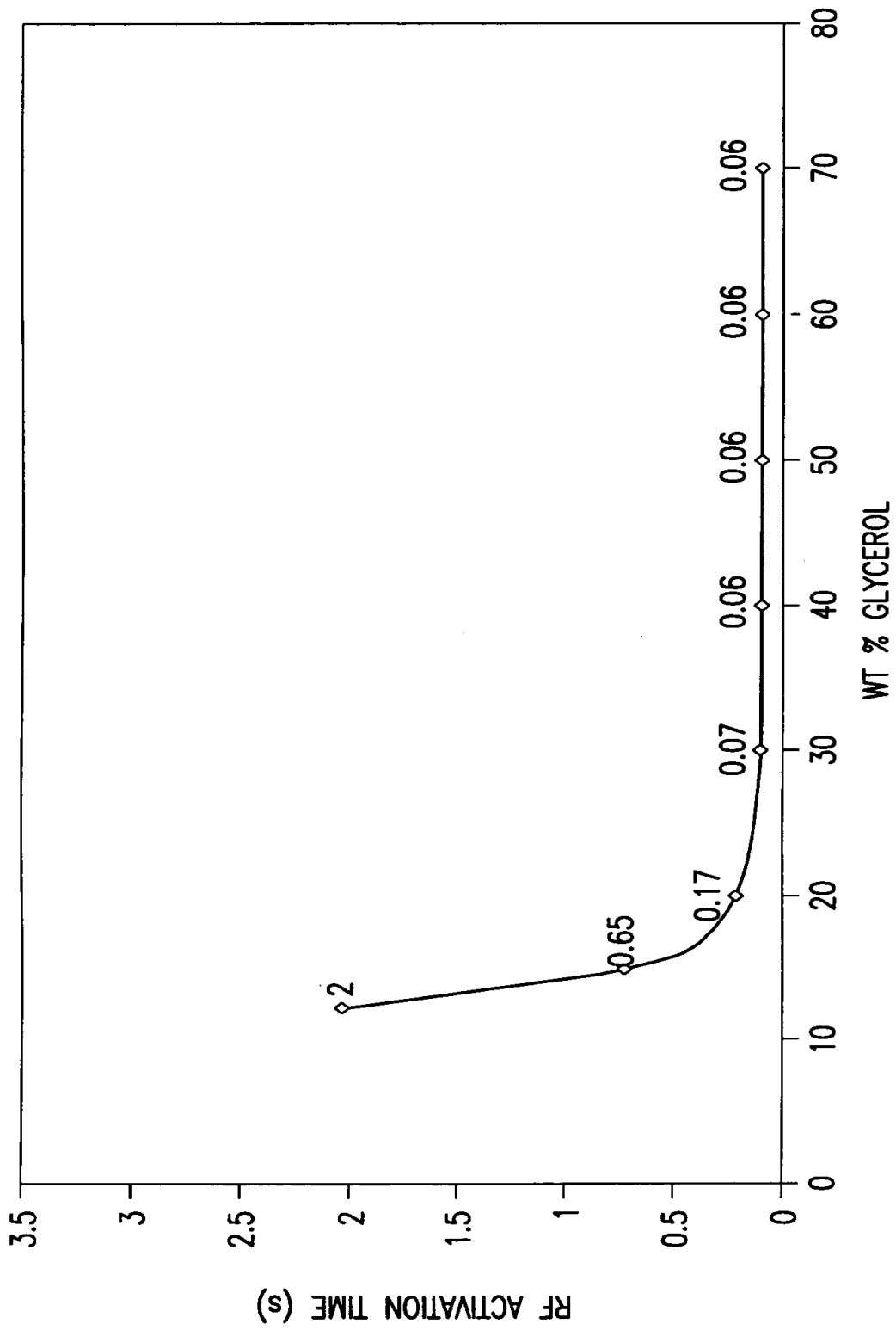


FIG. 54

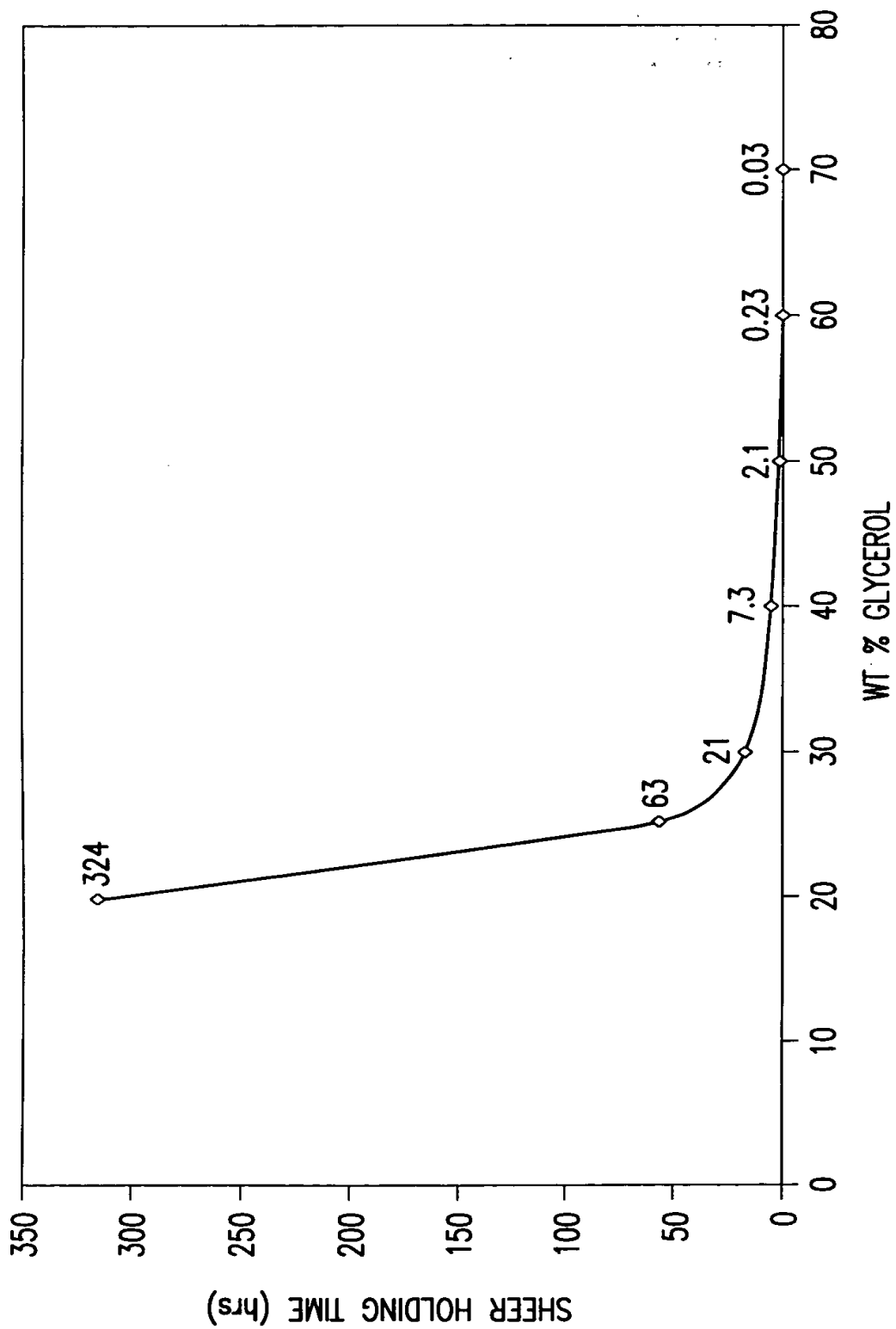


FIG. 55

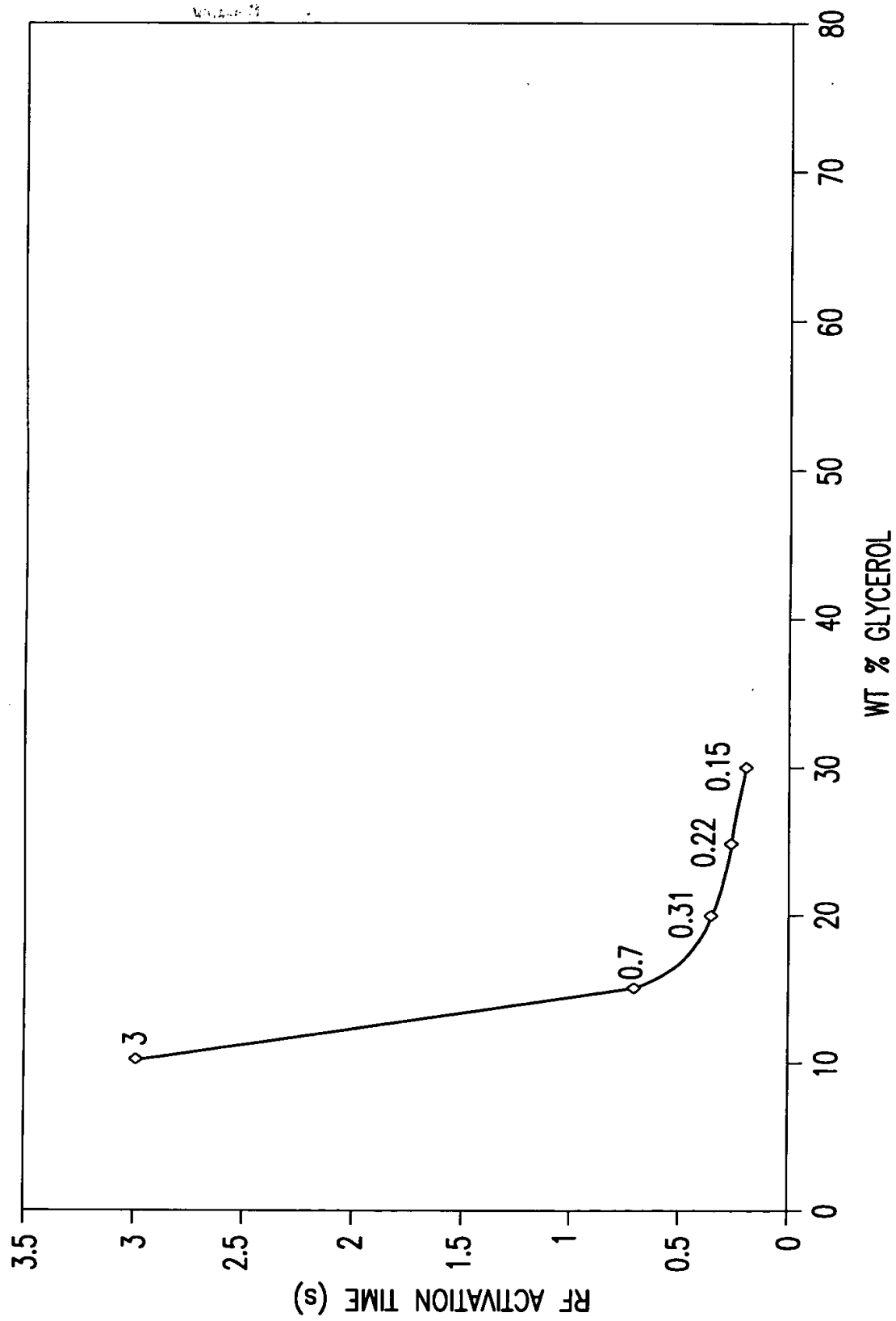


FIG. 56

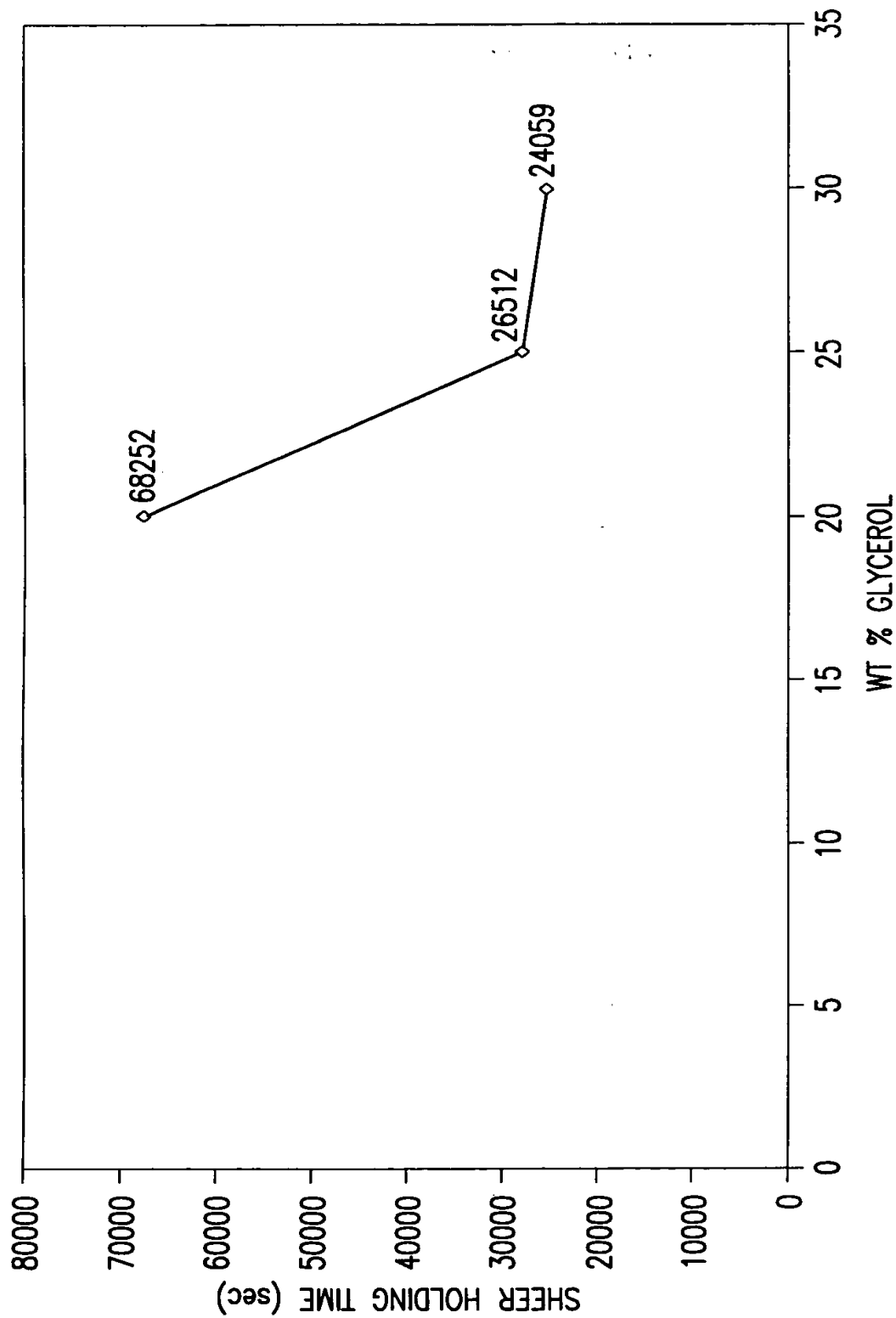


FIG.57

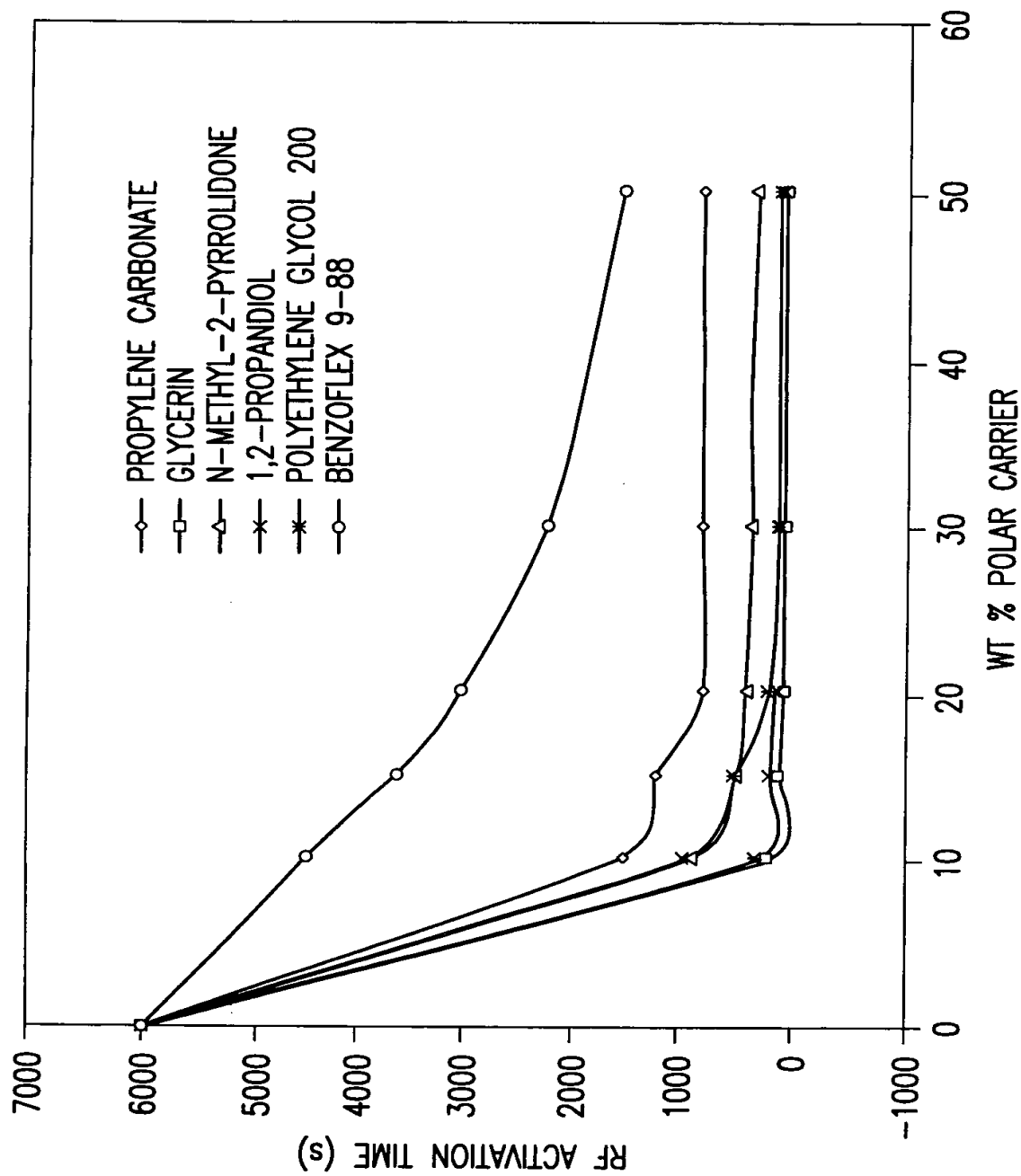


FIG.58

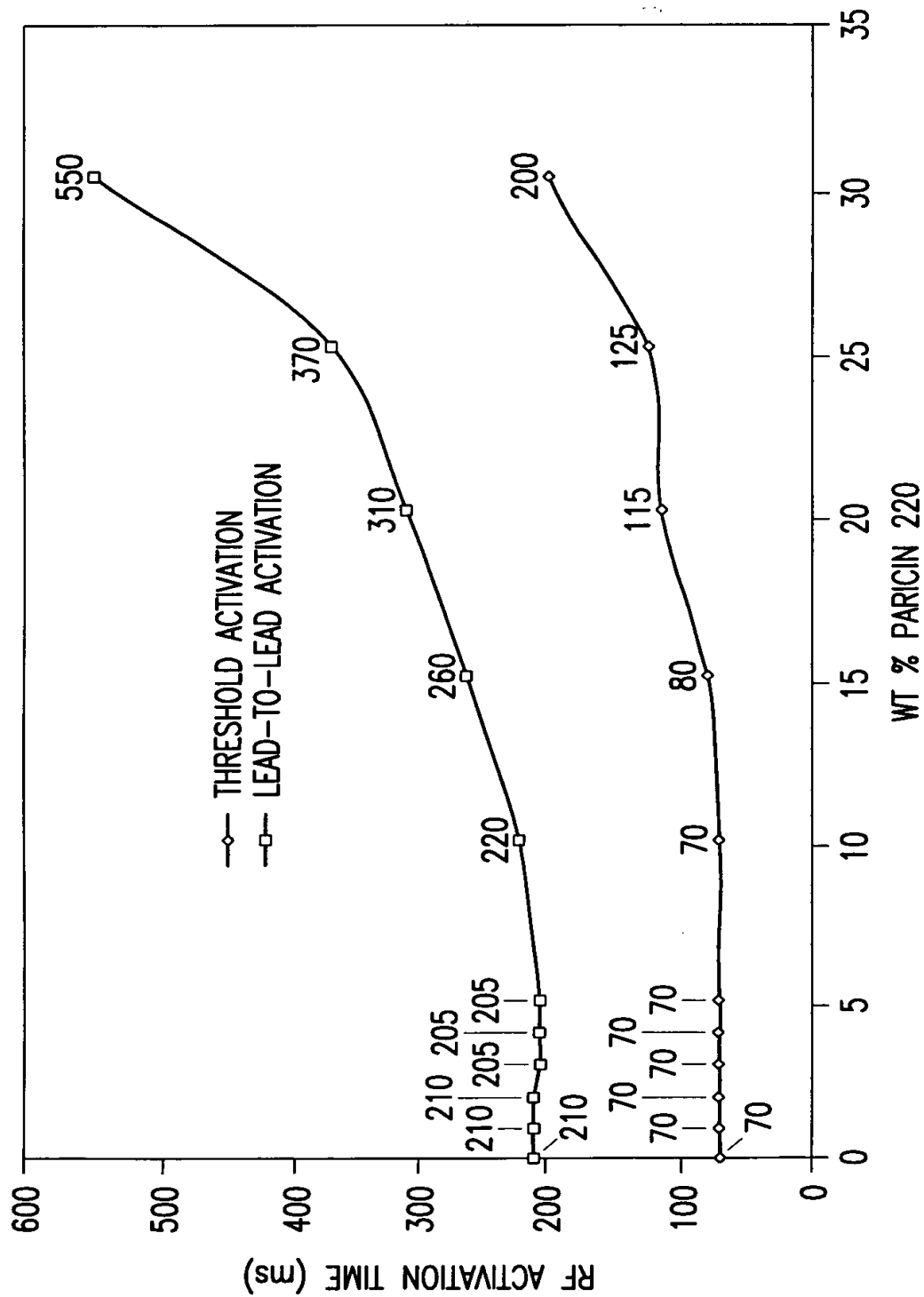


FIG.59

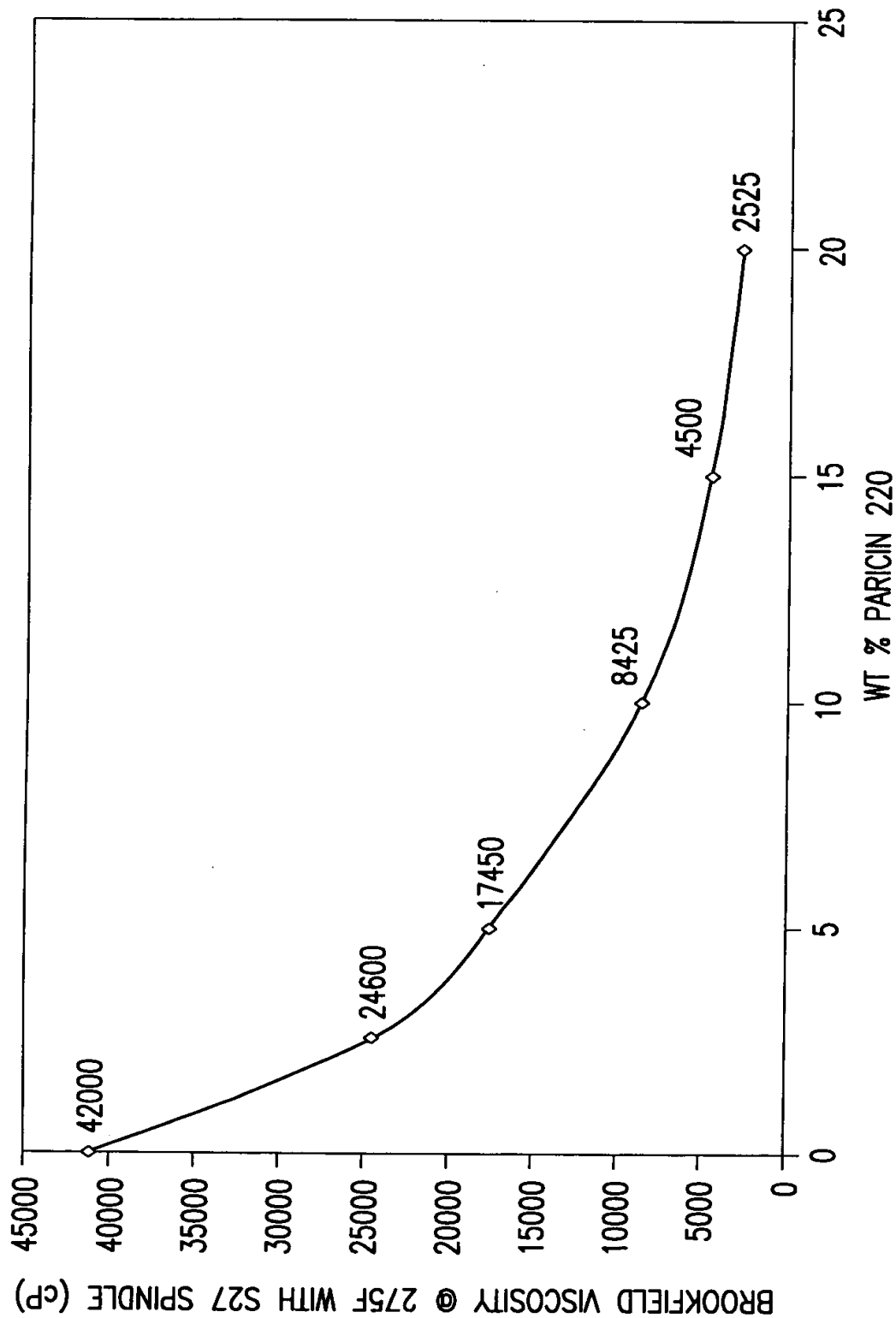


FIG.60

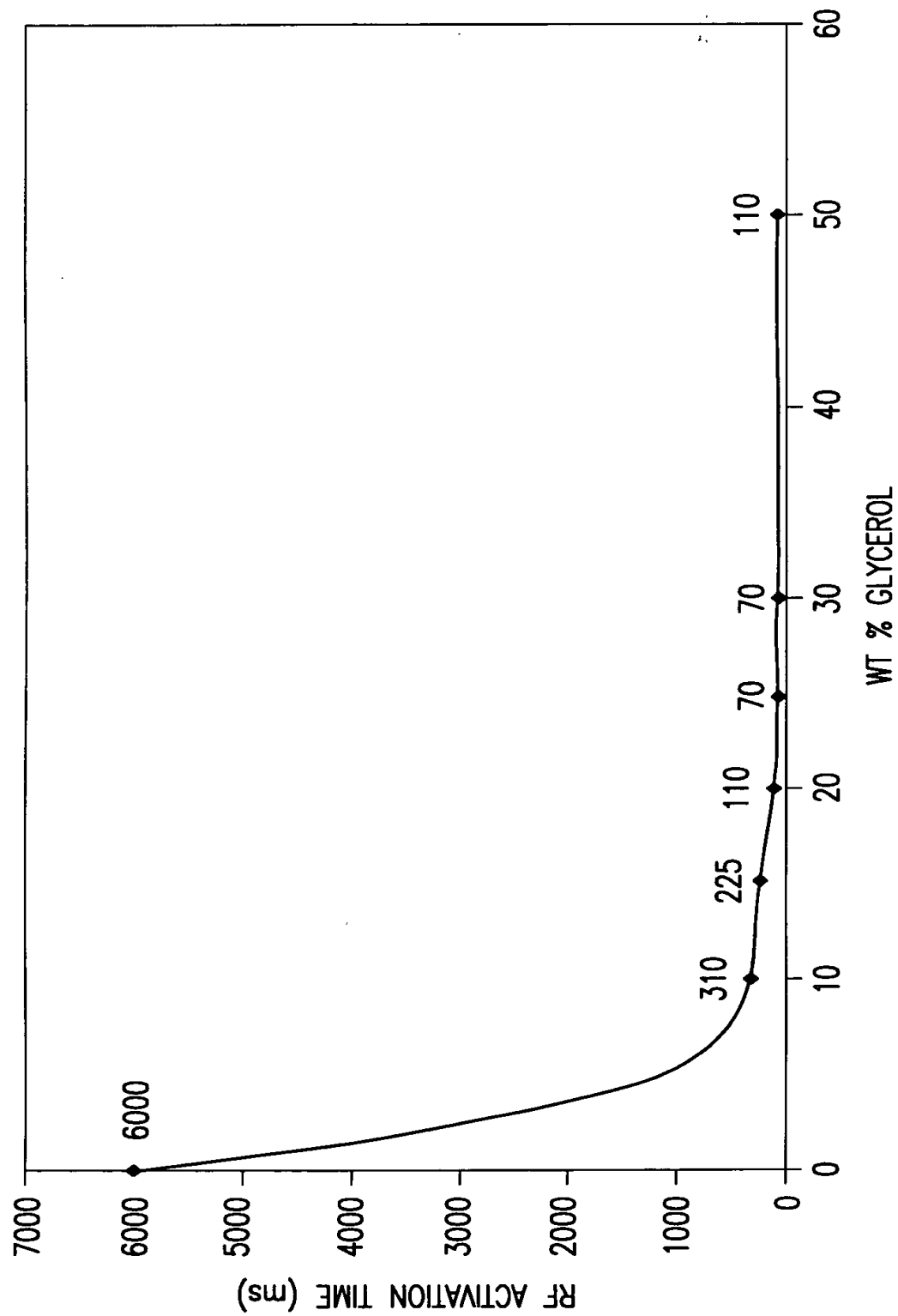


FIG. 61

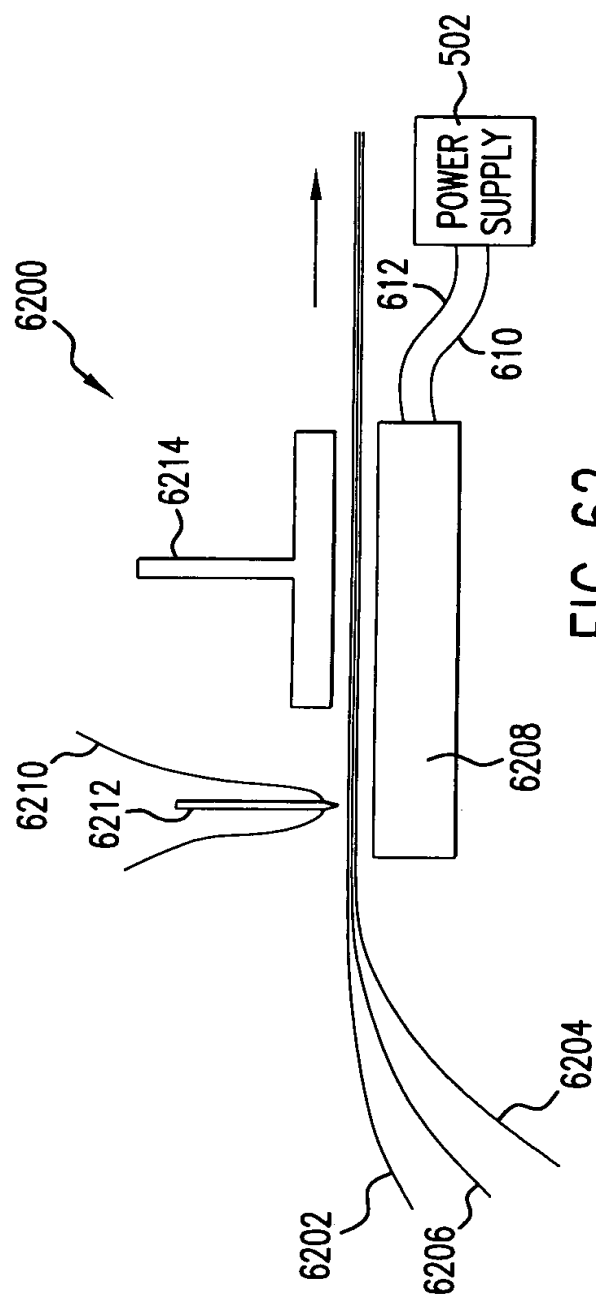




FIG. 63

002260" 02429360

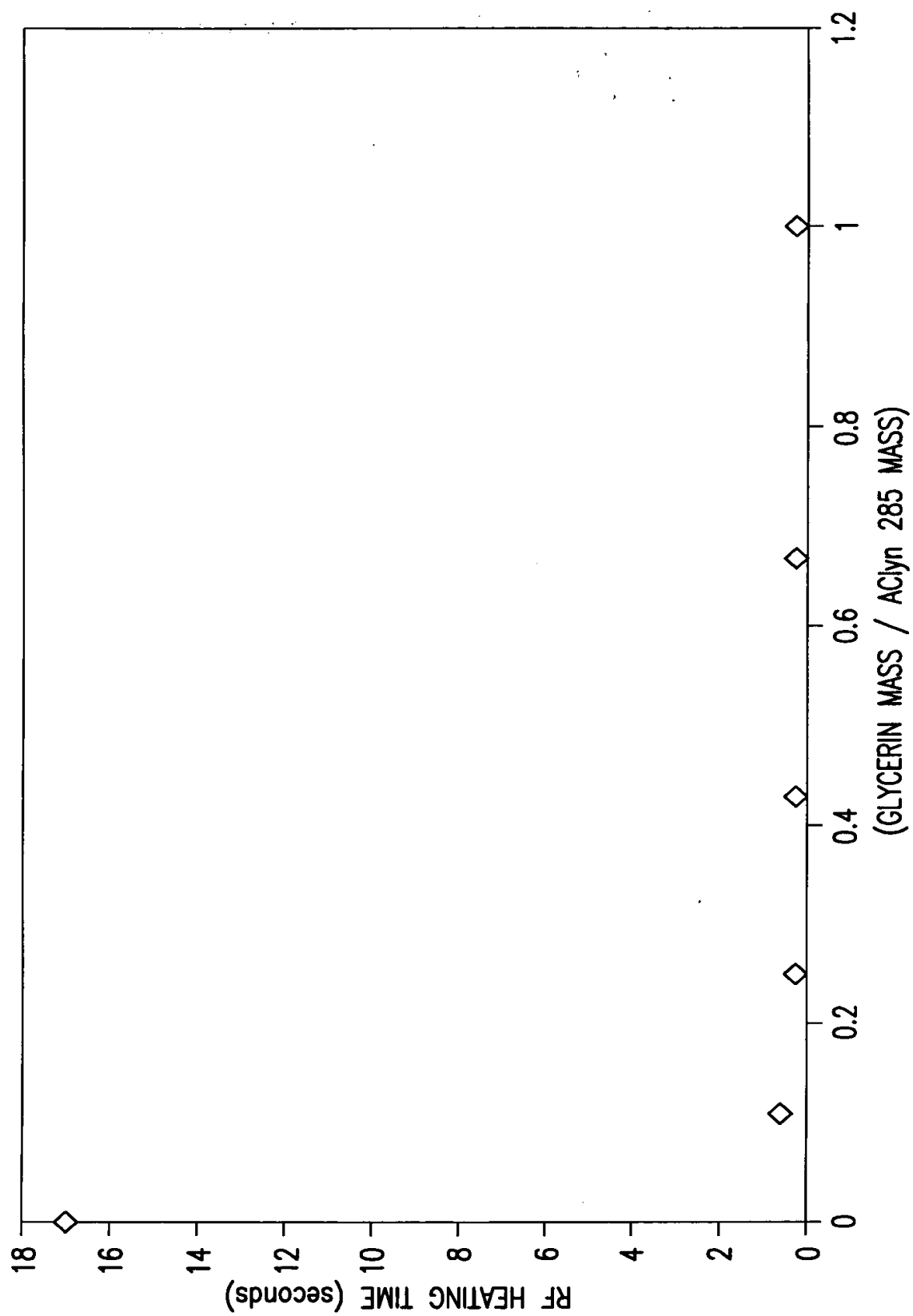


FIG.65

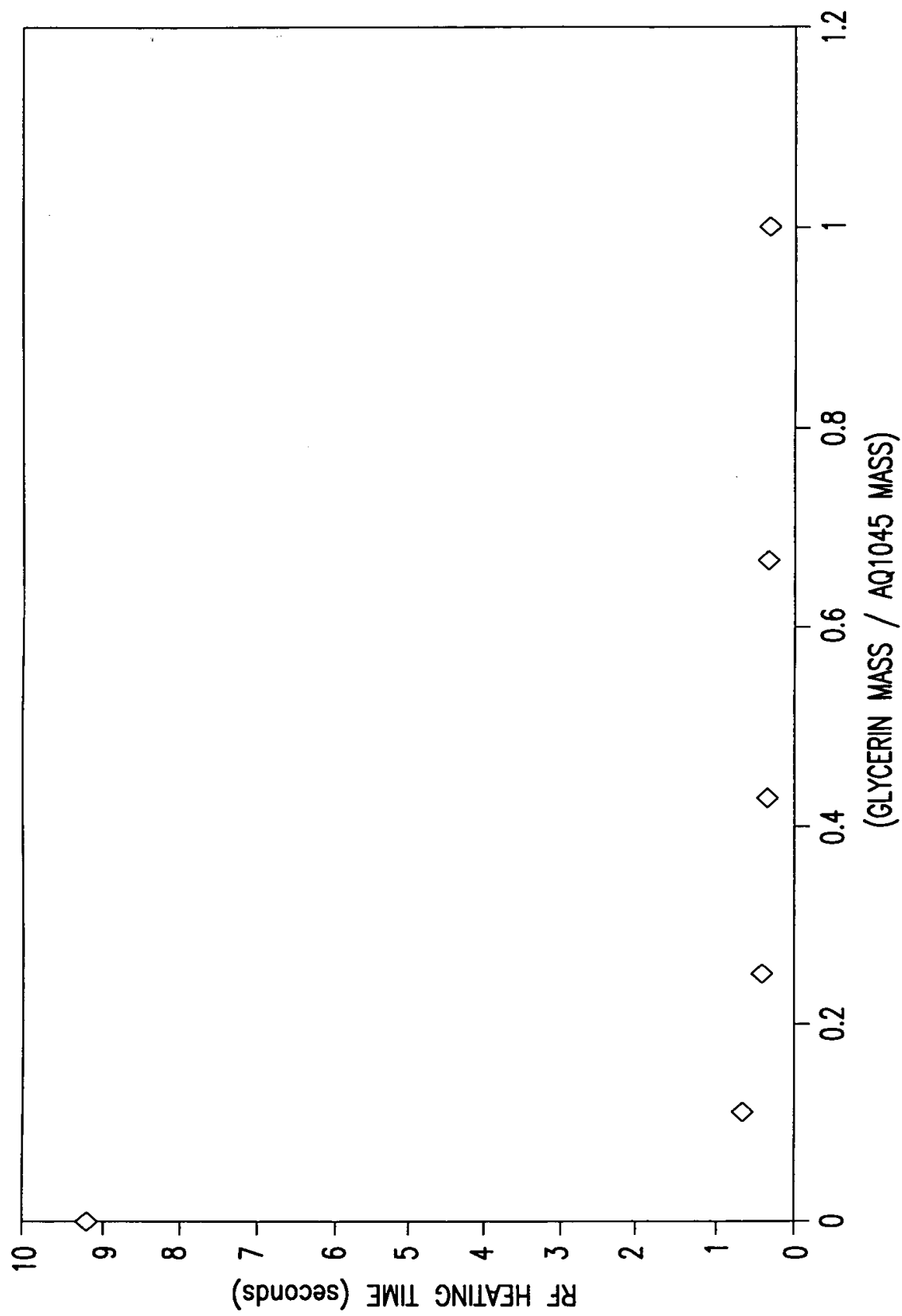


FIG.66

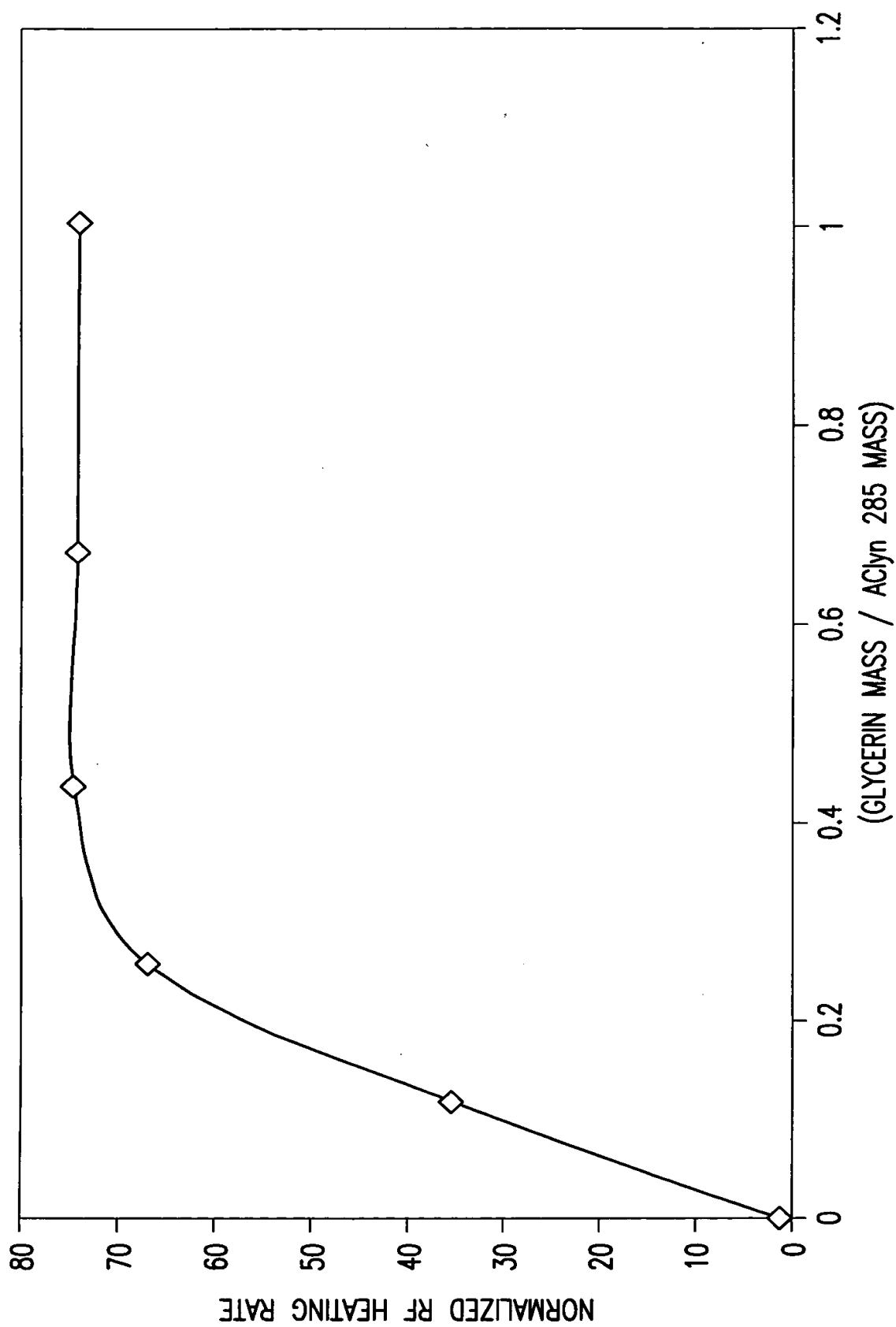


FIG.67

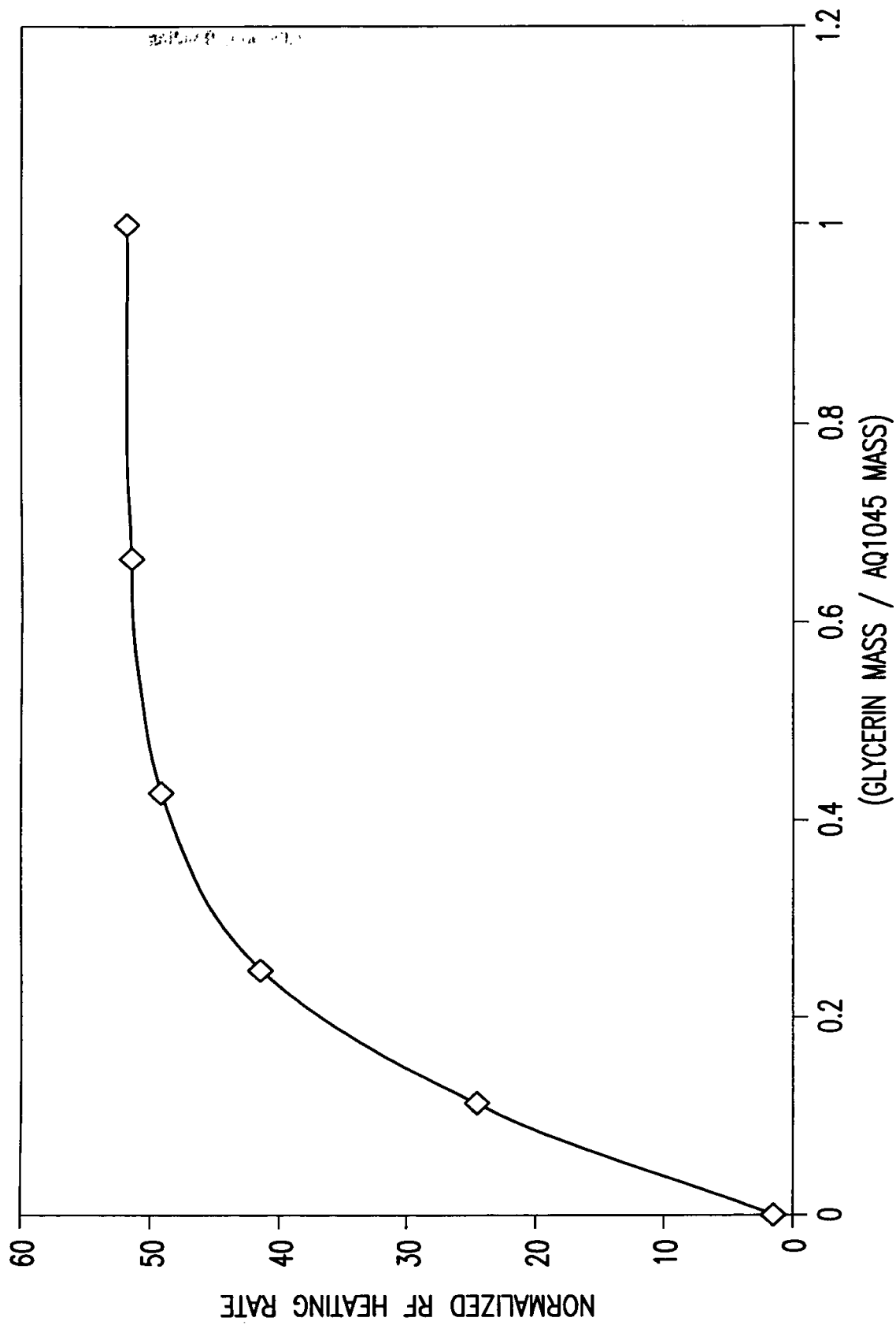


FIG.68

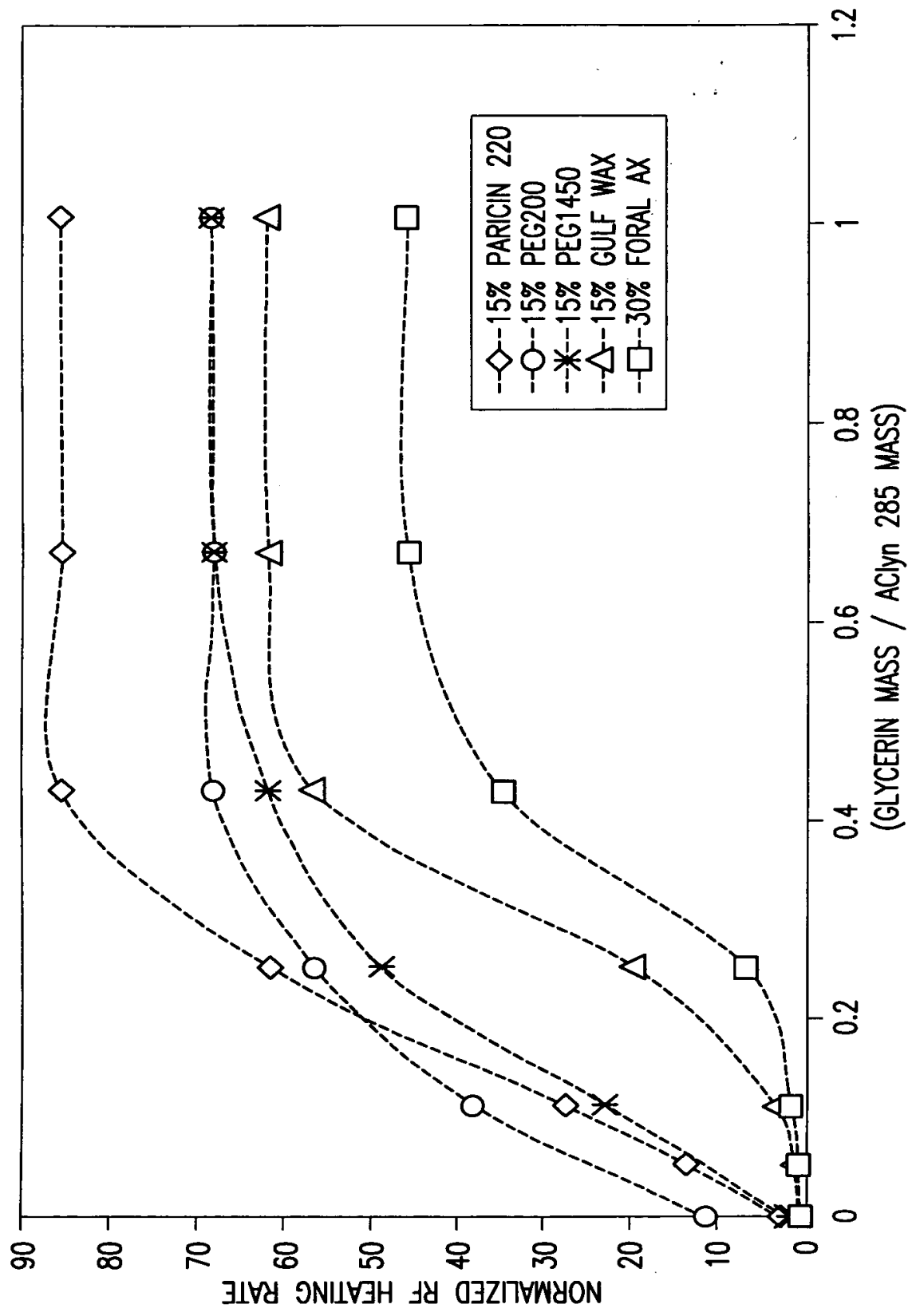


FIG.69

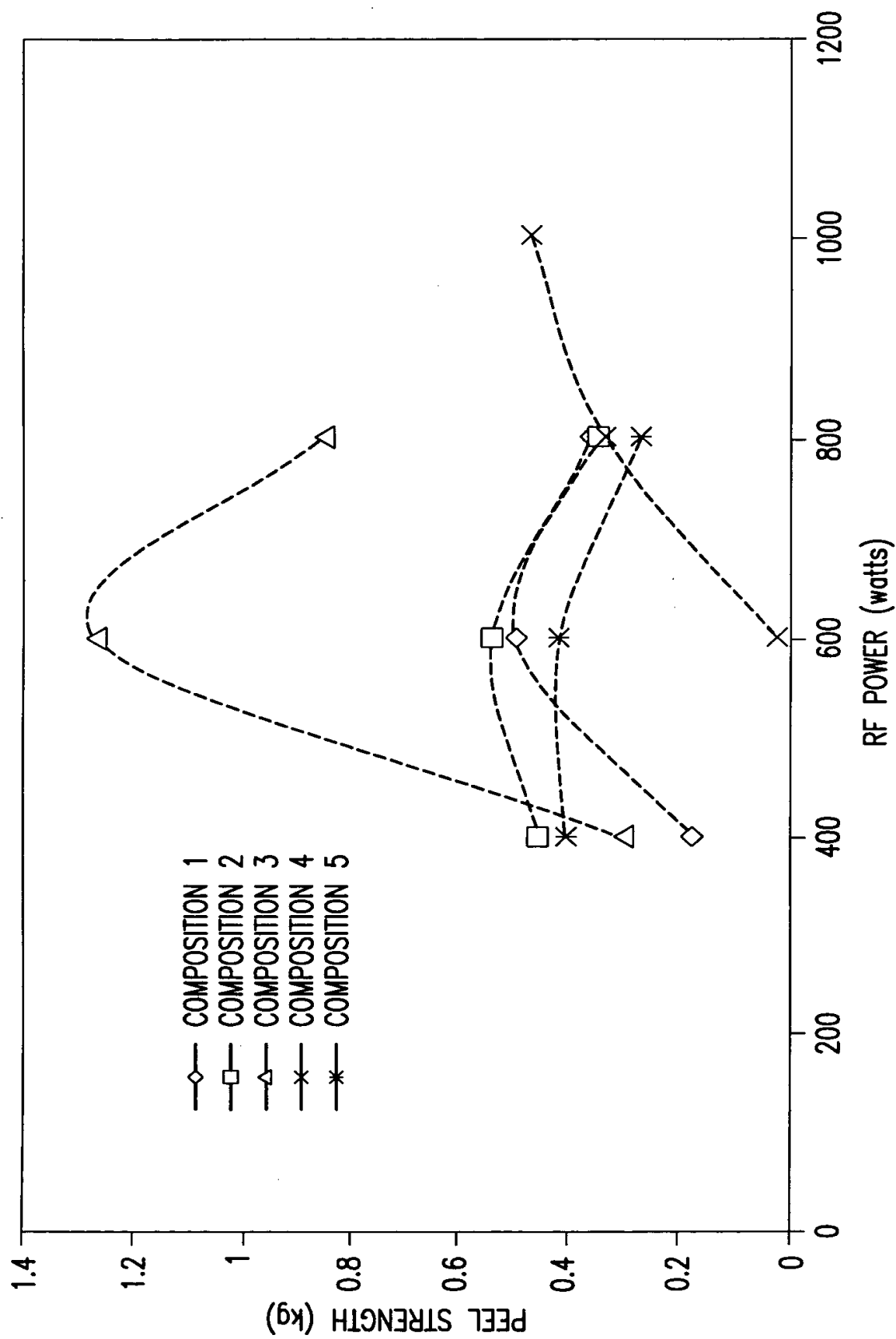


FIG.70